

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL080425\  
 Data File : VL042796.D  
 Acq On : 04 Aug 2025 09:31  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 05 00:59:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Jul 24 05:24:41 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.784 | 49   | 156307   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.956 | 114  | 426613   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.882 | 117  | 380017   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.374 | 95    | 310203   | 10.307   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.100% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 207208 | 10.026 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.477 | 51  | 277069 | 10.292 | ppbv   | 99     |
| 4) Chloromethane              | 1.532 | 50  | 83684  | 10.009 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 76360  | 9.244  | ppbv   | 96     |
| 6) Bromomethane               | 1.667 | 94  | 32753  | 10.256 | ppbv   | 97     |
| 7) Chloroethane               | 1.703 | 64  | 31751  | 9.948  | ppbv   | 99     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 169380 | 9.966  | ppbv   | 96     |
| 9) Propene                    | 1.483 | 41  | 100258 | 10.247 | ppbv   | 99     |
| 10) Heptane                   | 4.975 | 43  | 288665 | 10.942 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 217635 | 10.216 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.137 | 101 | 163050 | 10.072 | ppbv   | 98     |
| 13) Ethanol                   | 1.719 | 45  | 7381   | 9.208  | ppbv   | 100    |
| 14) Bromoethene               | 1.781 | 108 | 59854  | 10.443 | ppbv   | 98     |
| 15) Acetone                   | 1.833 | 43  | 176712 | 8.187  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.609 | 39  | 89788  | 9.753  | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.040 | 59  | 195134 | 10.024 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.033 | 96  | 73240  | 10.013 | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 1.884 | 45  | 113543 | 9.899  | ppbv   | 98     |
| 20) Methylene Chloride        | 2.062 | 84  | 61661  | 9.066  | ppbv   | 88     |
| 21) Allyl Chloride            | 2.095 | 41  | 141580 | 10.643 | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.341 | 96  | 80528  | 10.234 | ppbv   | 98     |
| 23) Vinyl Acetate             | 2.460 | 43  | 286954 | 10.966 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 166989 | 10.340 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.833 | 43  | 517370 | 10.829 | ppbv   | 99     |
| 26) Hexane                    | 2.826 | 57  | 221546 | 10.571 | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.150 | 76  | 199042 | 11.094 | ppbv   | 96     |
| 28) Methyl tert-Butyl Ether   | 2.438 | 73  | 93108  | 9.404  | ppbv   | 99     |
| 29) Chloroform                | 2.846 | 83  | 340691 | 10.520 | ppbv   | 98     |
| 30) Cyclohexane               | 3.855 | 84  | 181209 | 10.195 | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 2.719 | 61  | 218880 | 10.164 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.367 | 97  | 335591 | 9.948  | ppbv   | 99     |
| 34) 2-Butanone                | 2.554 | 43  | 342346 | 11.329 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.762 | 117 | 351173 | 11.082 | ppbv   | 98     |
| 36) Benzene                   | 3.655 | 78  | 439144 | 10.861 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.215 | 62  | 268448 | 11.022 | ppbv   | 100    |
| 38) Trichloroethene           | 4.548 | 130 | 198489 | 10.219 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.309 | 63  | 161604 | 10.828 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.577 | 88  | 70550  | 10.142 | ppbv # | 98     |
| 41) Tetrahydrofuran           | 3.053 | 42  | 179539 | 11.676 | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.487 | 83  | 368522 | 11.618 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.875 | 69  | 166622 | 11.594 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 4.639 | 57  | 754946 | 11.456 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.412 | 75  | 185713 | 11.524 | ppbv   | 96     |

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 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Aug 05 00:59:29 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Jul 24 05:24:41 2025  
 Response via : Initial Calibration

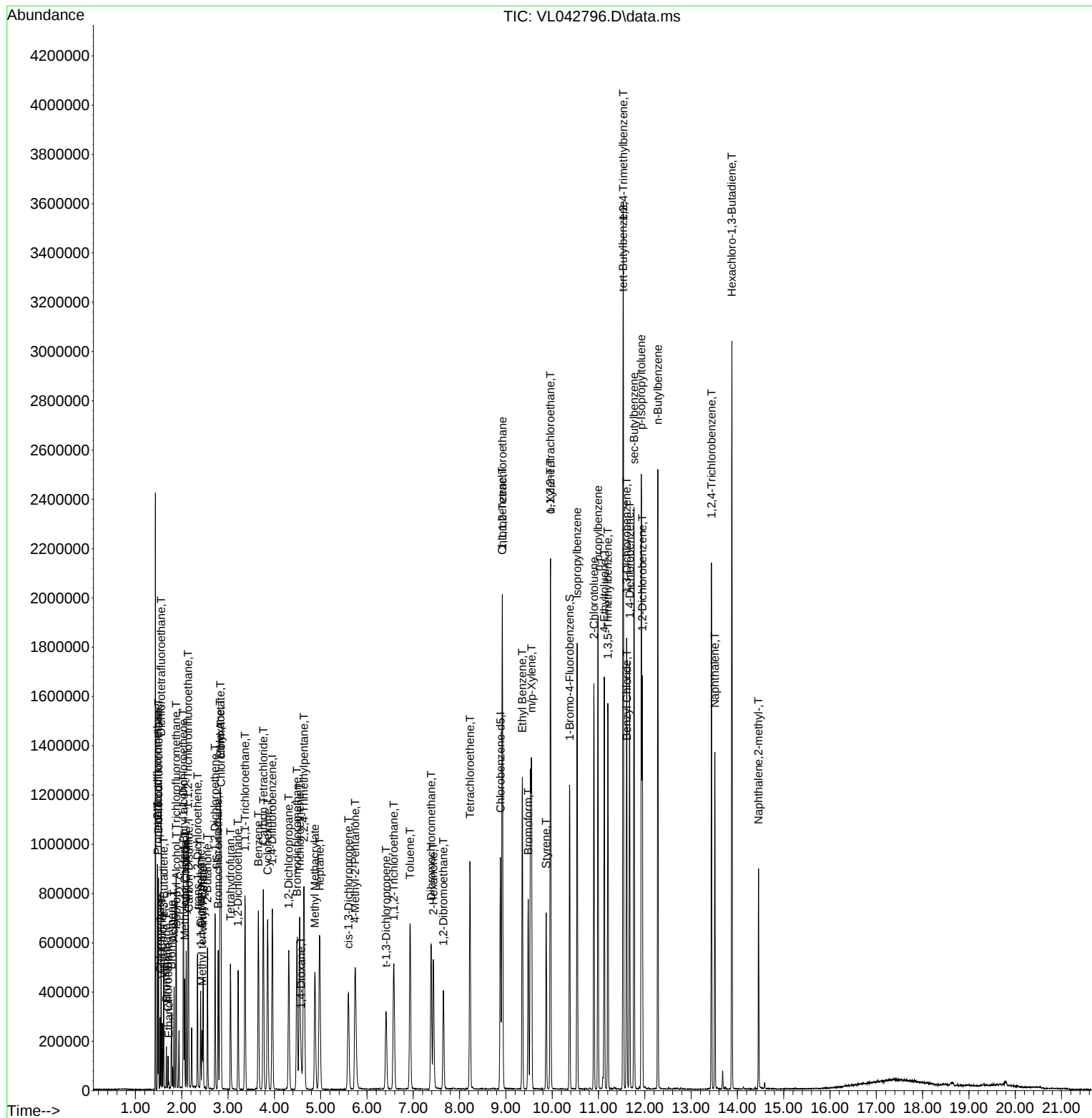
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.600  | 75   | 240949   | 11.799 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 6.577  | 97   | 176245   | 11.078 | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.387  | 129  | 301910   | 11.954 | ppbv   | 98       |
| 49) Bromoform                 | 9.481  | 173  | 262767   | 11.932 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.746  | 43   | 453959   | 11.662 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.432  | 43   | 360580   | 12.258 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.225  | 164  | 162318   | 9.686  | ppbv   | 97       |
| 53) Toluene                   | 6.930  | 91   | 489672   | 11.278 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.649  | 107  | 250956   | 11.165 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 8.924  | 131  | 226803   | 11.479 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.921  | 112  | 397515   | 10.808 | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.354  | 91   | 692150   | 11.533 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.552  | 91   | 510426   | 10.643 | ppbv # | 17       |
| 60) o-Xylene                  | 9.963  | 91   | 571988   | 11.935 | ppbv   | 98       |
| 61) Styrene                   | 9.869  | 104  | 235848   | 11.699 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.539 | 105  | 813285   | 11.505 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.963  | 83   | 327594   | 10.647 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.989 | 120  | 212922   | 11.553 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 730489   | 11.633 | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.614 | 91   | 70588    | 13.694 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 1015003  | 11.365 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.924 | 119  | 875506   | 12.023 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.280 | 91   | 882533   | 12.546 | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.902 | 91   | 623268   | 11.499 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.125 | 105  | 685255   | 11.973 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.203 | 105  | 572173   | 12.142 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.536 | 105  | 635314   | 12.358 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.607 | 146  | 412343   | 11.441 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.672 | 146  | 411896   | 11.679 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.947 | 146  | 393333   | 11.104 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.879 | 225  | 317563   | 9.905  | ppbv   | 99       |
| 79) Naphthalene               | 13.514 | 128  | 609718   | 10.889 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.455 | 142  | 237582   | 8.684  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.439 | 180  | 343523   | 10.915 | ppbv   | 99       |

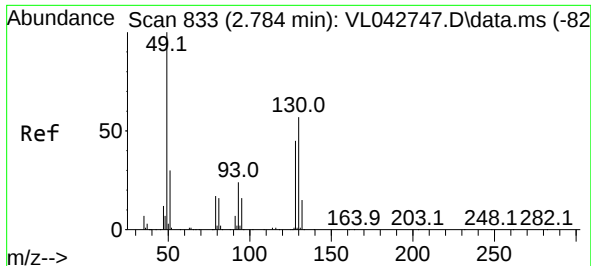
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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 QLast Update : Thu Jul 24 05:24:41 2025  
 Response via : Initial Calibration

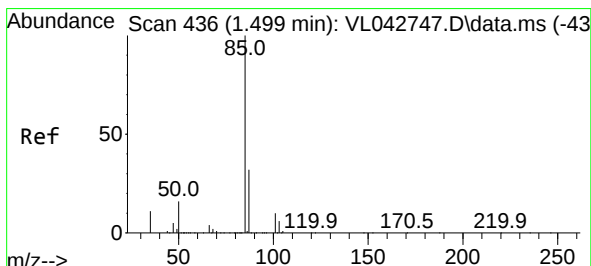
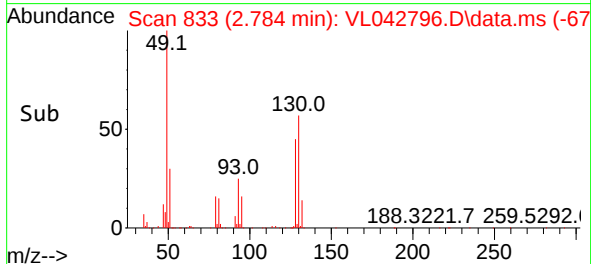
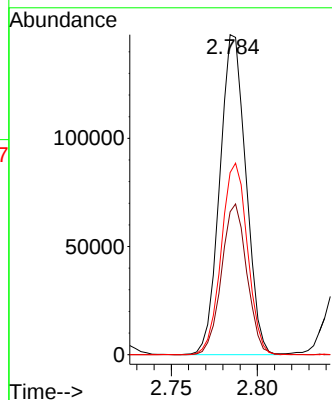
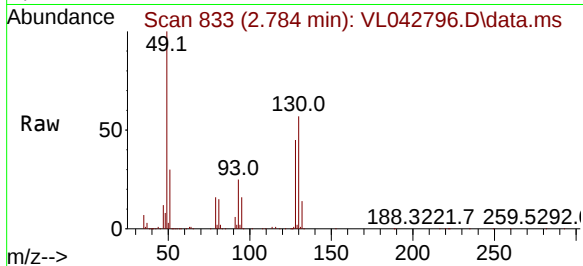




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.784 min Scan# 833  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

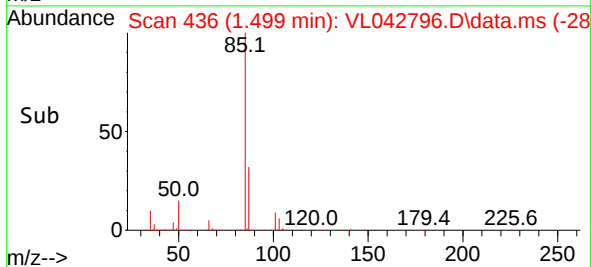
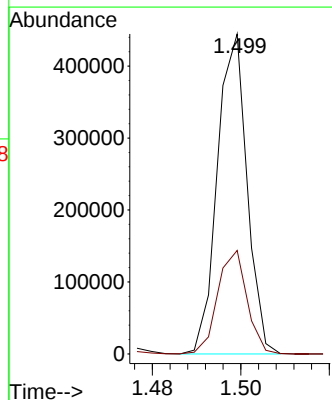
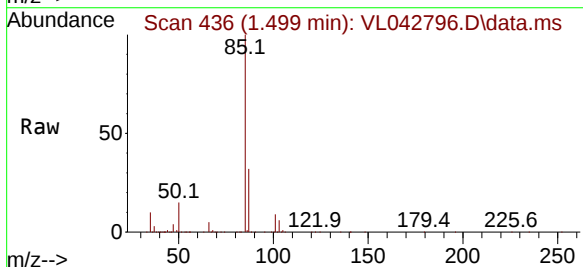
Instrument :  
MSVOA\_L  
ClientSampleId :

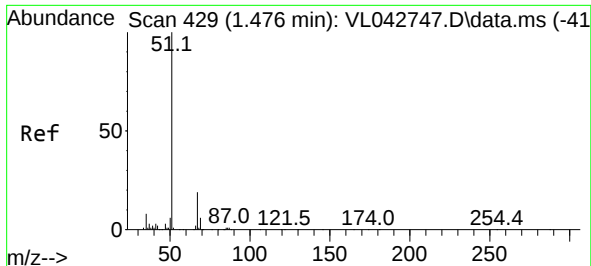
Tgt Ion: 49 Resp: 156307  
Ion Ratio Lower Upper  
49 100  
128 45.7 23.6 71.0  
130 59.8 30.3 90.8



#2  
Dichlorodifluoromethane  
Concen: 10.026 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 85 Resp: 207208  
Ion Ratio Lower Upper  
85 100  
87 32.3 25.4 38.2

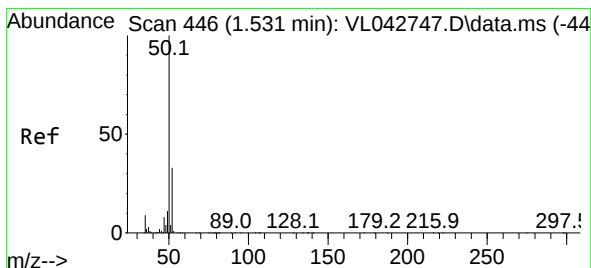
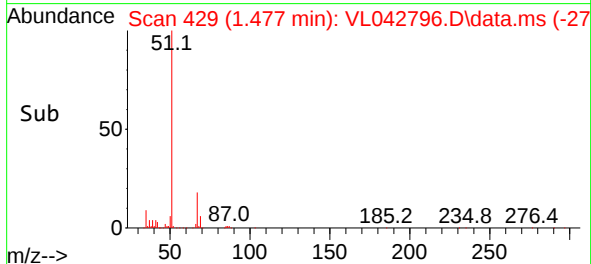
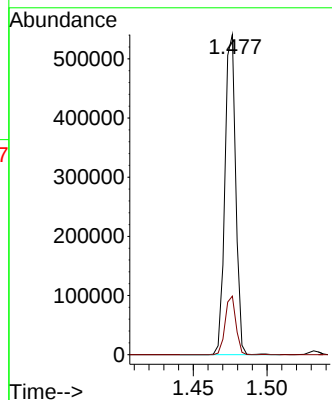
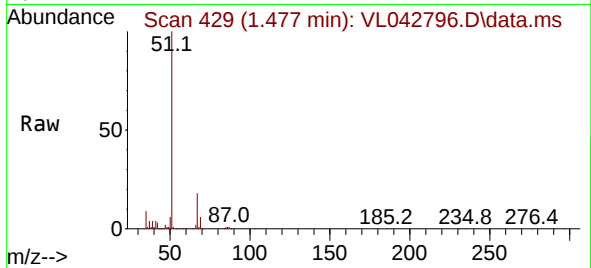




#3  
Chlorodifluoromethane  
Concen: 10.292 ppbv  
RT: 1.477 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

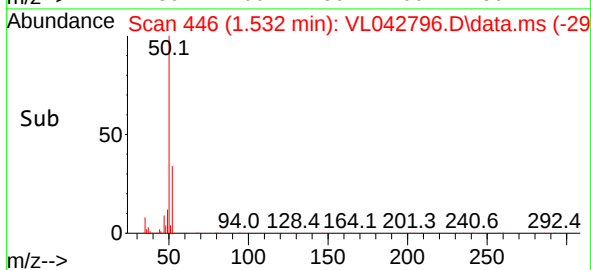
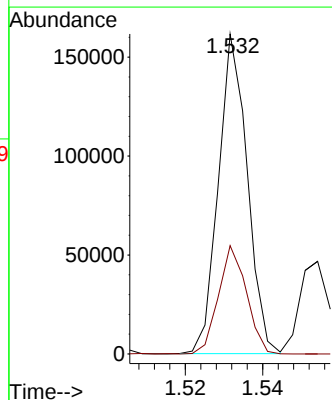
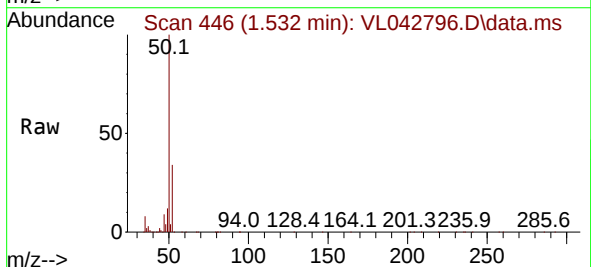
Instrument :  
MSVOA\_L  
ClientSampleId :

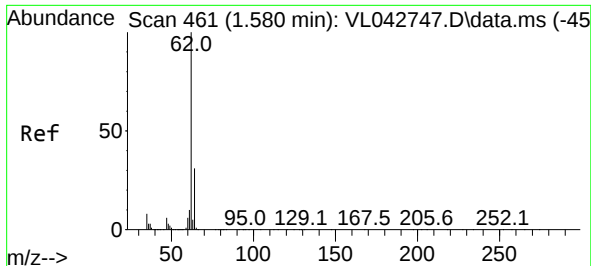
Tgt Ion: 51 Resp: 277069  
Ion Ratio Lower Upper  
51 100  
67 18.3 15.0 22.6



#4  
Chloromethane  
Concen: 10.009 ppbv  
RT: 1.532 min Scan# 446  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 50 Resp: 83684  
Ion Ratio Lower Upper  
50 100  
52 33.9 26.6 40.0

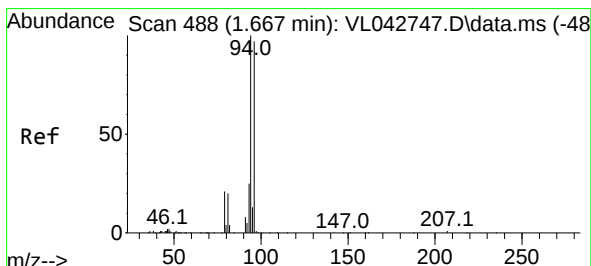
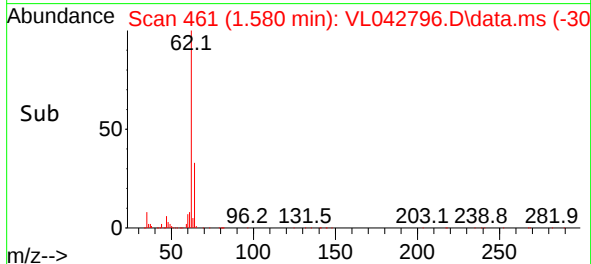
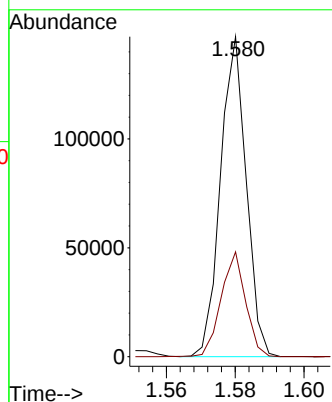
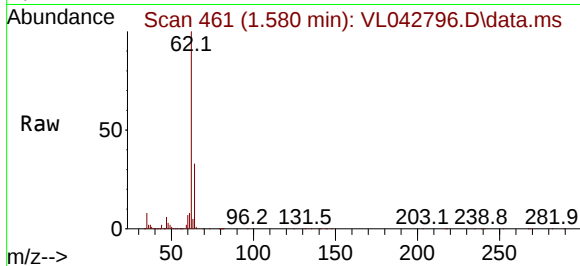




#5  
 Vinyl Chloride  
 Concen: 9.244 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

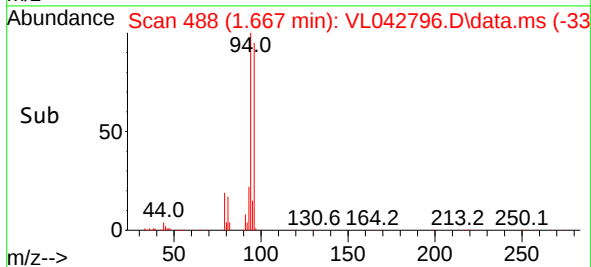
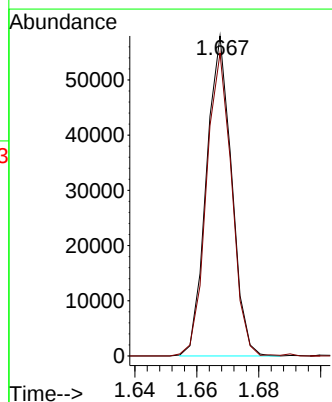
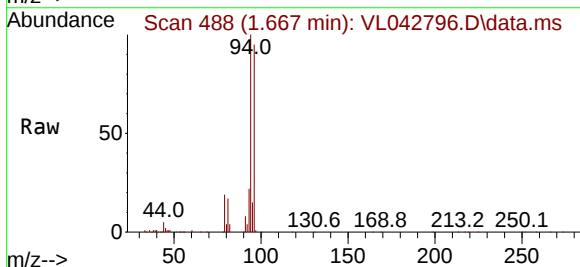
Instrument :  
 MSVOA\_1  
 ClientSampleId :

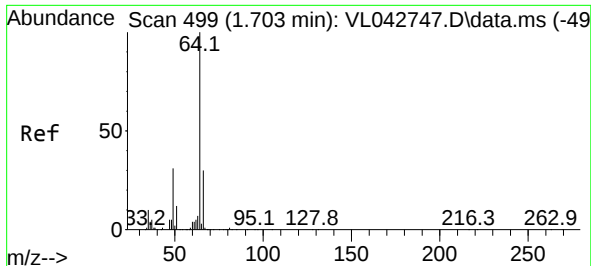
Tgt Ion: 62 Resp: 76360  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 24.5 36.7



#6  
 Bromomethane  
 Concen: 10.256 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 94 Resp: 32753  
 Ion Ratio Lower Upper  
 94 100  
 96 94.5 77.6 116.4

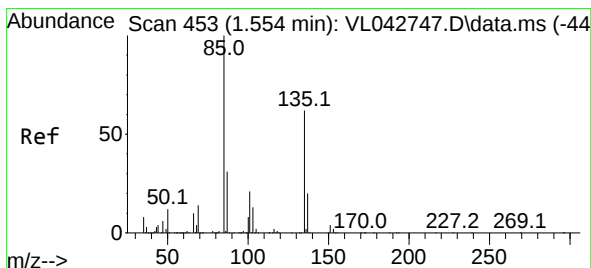
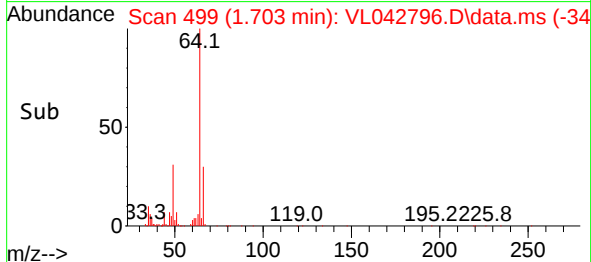
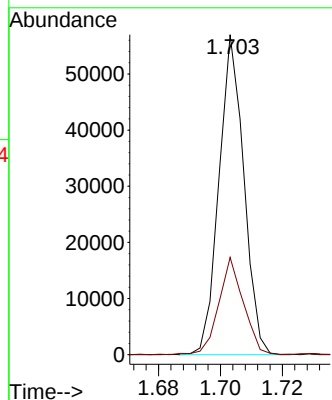
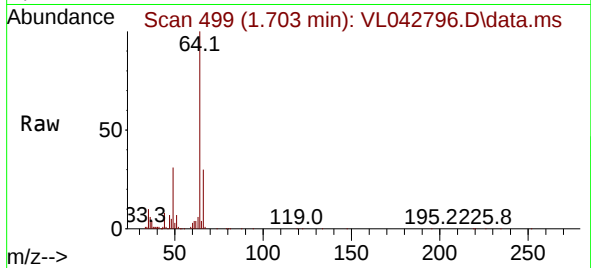




#7  
Chloroethane  
Concen: 9.948 ppbv  
RT: 1.703 min Scan# 499  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

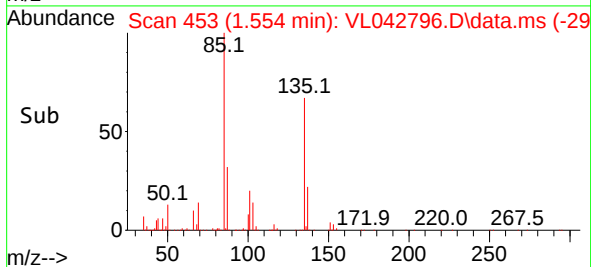
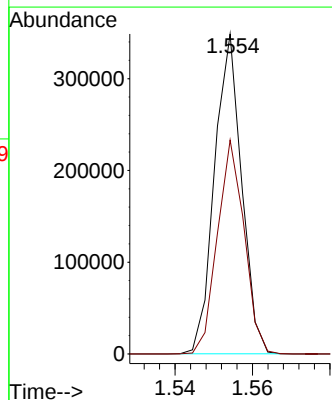
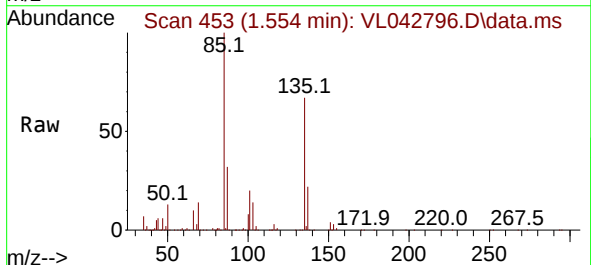
Instrument :  
MSVOA\_L  
ClientSampleId :

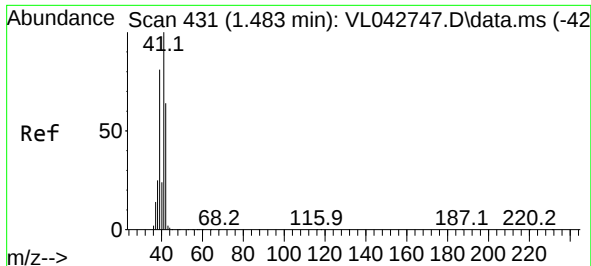
Tgt Ion: 64 Resp: 31751  
Ion Ratio Lower Upper  
64 100  
66 30.4 24.1 36.1



#8  
Dichlorotetrafluoroethane  
Concen: 9.966 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 85 Resp: 169380  
Ion Ratio Lower Upper  
85 100  
135 66.3 50.6 76.0

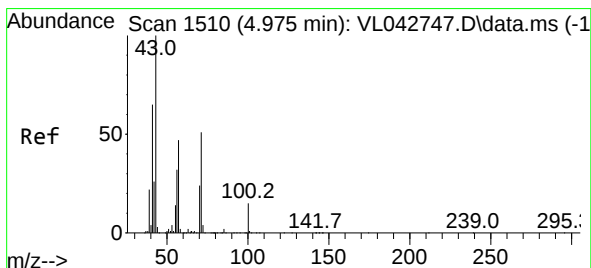
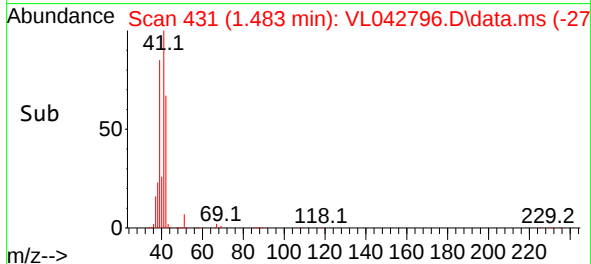
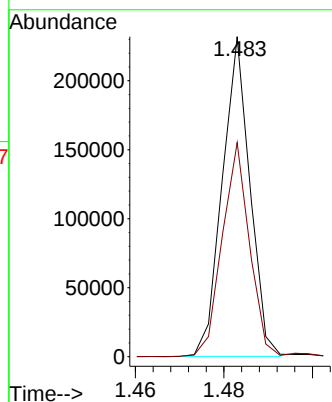
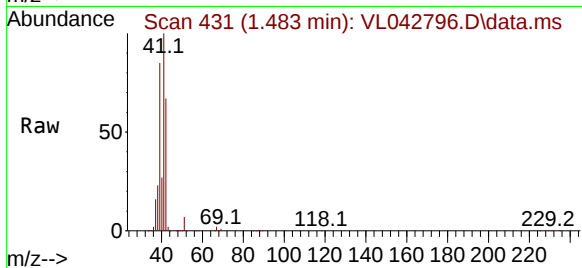




#9  
Propene  
Concen: 10.247 ppbv  
RT: 1.483 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

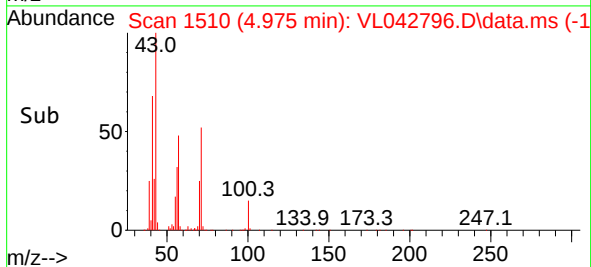
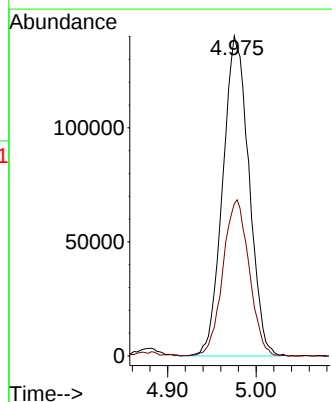
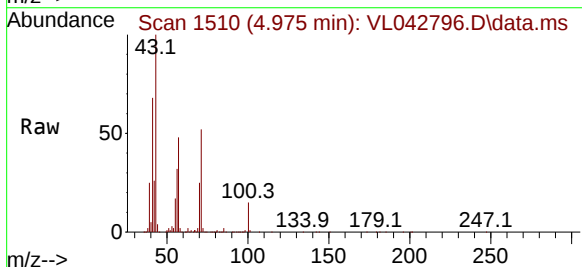
Instrument :  
MSVOA\_L  
ClientSampleId :

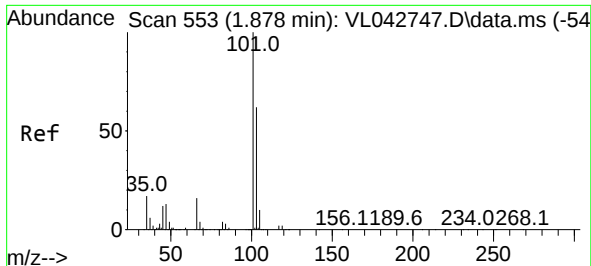
Tgt Ion: 41 Resp: 100258  
Ion Ratio Lower Upper  
41 100  
42 67.5 53.2 79.8



#10  
Heptane  
Concen: 10.942 ppbv  
RT: 4.975 min Scan# 1510  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 43 Resp: 288665  
Ion Ratio Lower Upper  
43 100  
57 49.0 39.9 59.9

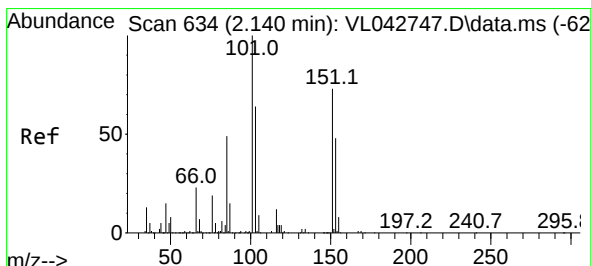
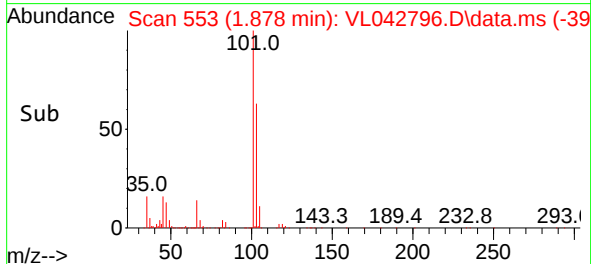
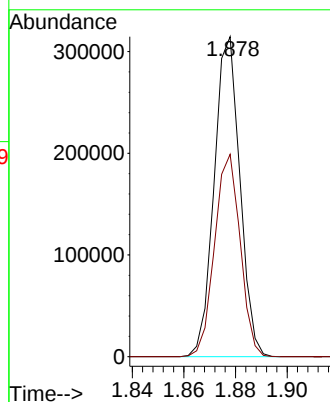
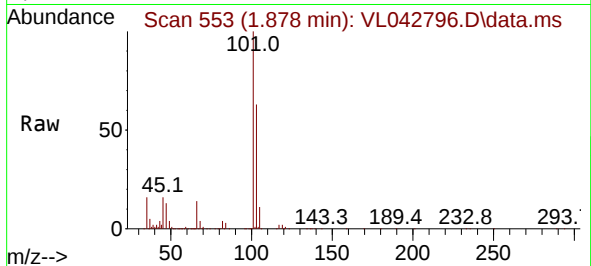




#11  
 Trichlorofluoromethane  
 Concen: 10.216 ppbv  
 RT: 1.878 min Scan# 553  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

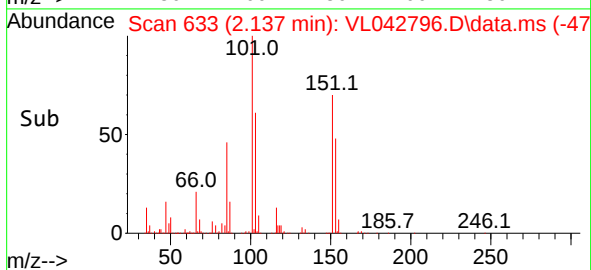
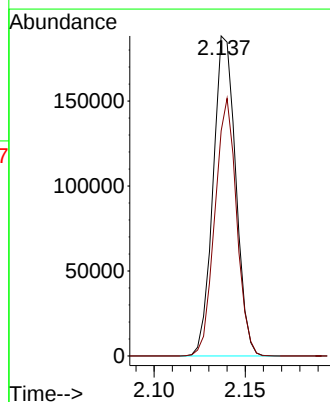
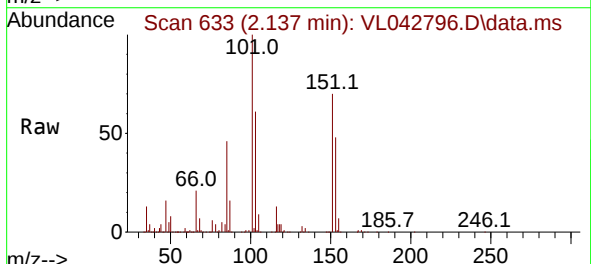
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion:101 Resp: 217635  
 Ion Ratio Lower Upper  
 101 100  
 103 63.2 49.6 74.4



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.072 ppbv  
 RT: 2.137 min Scan# 633  
 Delta R.T. -0.003 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion:101 Resp: 163050  
 Ion Ratio Lower Upper  
 101 100  
 151 77.1 60.5 90.7

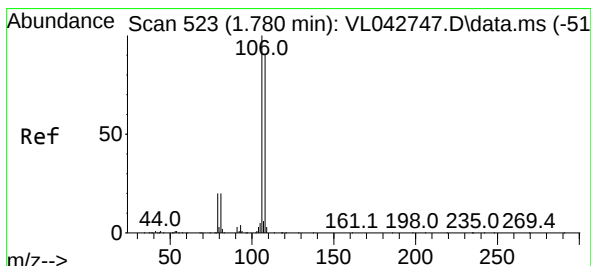
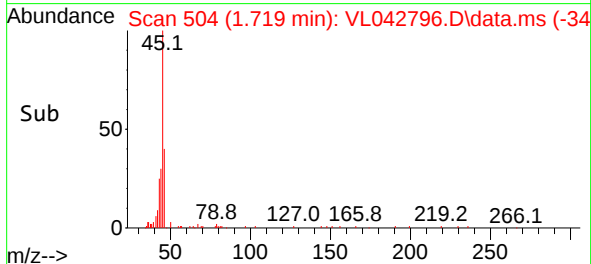
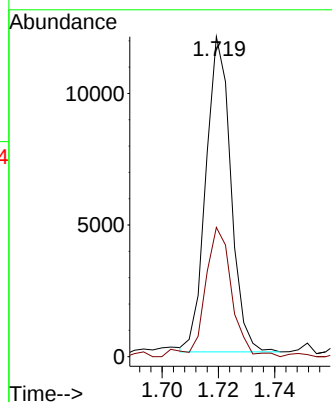
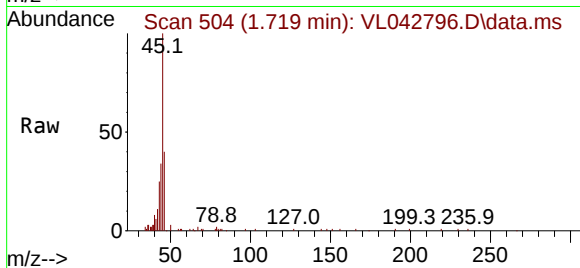




#13  
 Ethanol  
 Concen: 9.208 ppbv  
 RT: 1.719 min Scan# 504  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

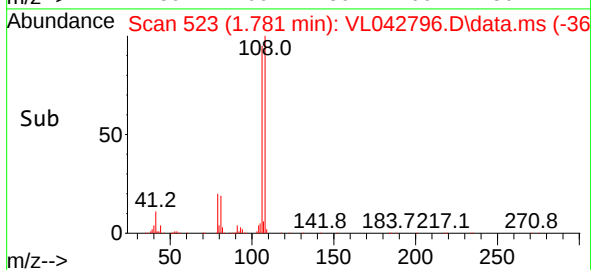
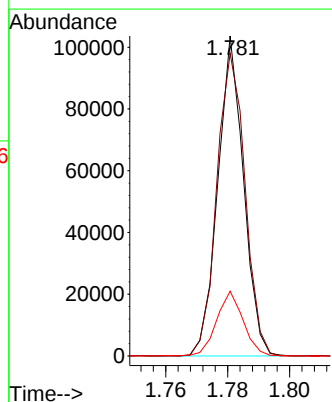
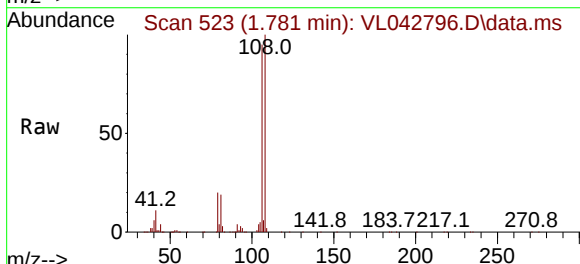
Instrument :  
 MSVOA\_L  
 ClientSampleId :

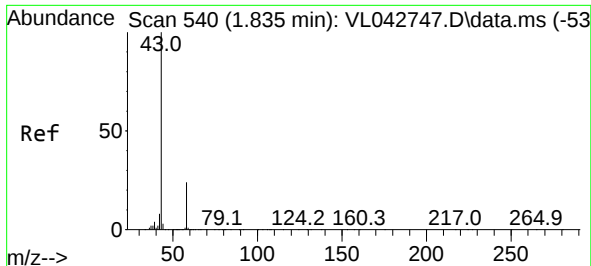
Tgt Ion: 45 Resp: 7381  
 Ion Ratio Lower Upper  
 45 100  
 46 44.4 17.8 71.4



#14  
 Bromoethene  
 Concen: 10.443 ppbv  
 RT: 1.781 min Scan# 523  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 108 Resp: 59854  
 Ion Ratio Lower Upper  
 108 100  
 106 103.4 84.7 127.1  
 79 21.0 17.4 26.2

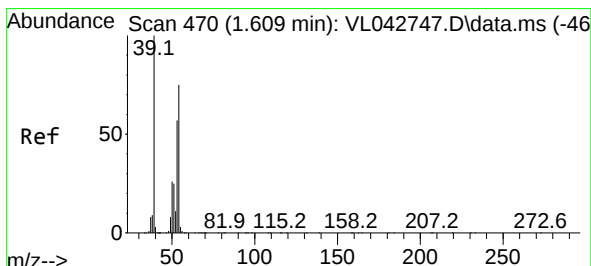
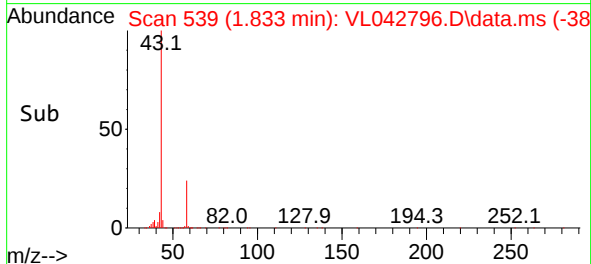
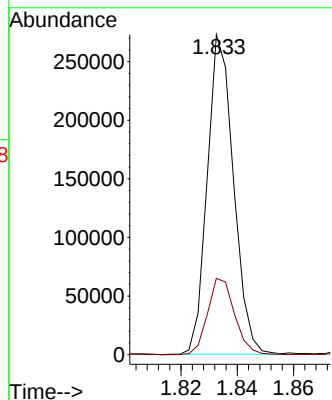
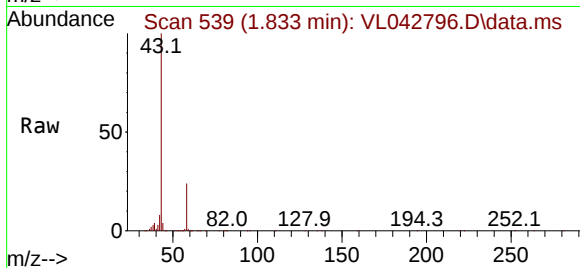




#15  
Acetone  
Concen: 8.187 ppbv  
RT: 1.833 min Scan# 51  
Delta R.T. -0.003 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

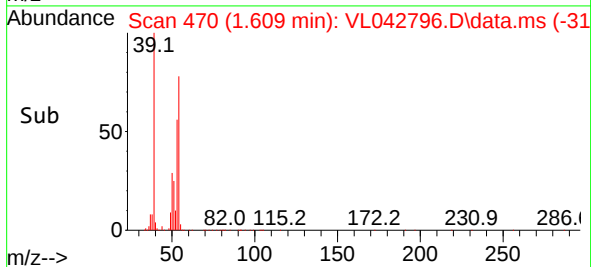
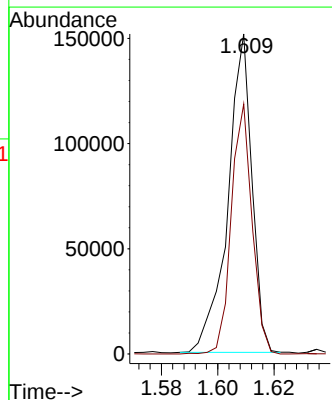
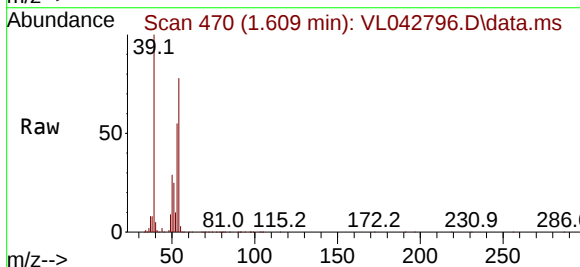
Instrument :  
MSVOA\_L  
ClientSampleId :

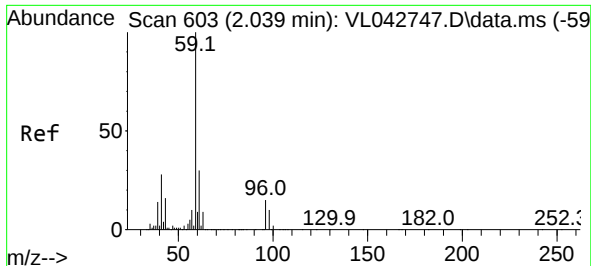
Tgt Ion: 43 Resp: 176712  
Ion Ratio Lower Upper  
43 100  
58 24.8 19.8 29.8



#16  
1,3-Butadiene  
Concen: 9.753 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 39 Resp: 89788  
Ion Ratio Lower Upper  
39 100  
54 67.8 54.5 81.7





#17

tert-Butyl alcohol

Concen: 10.024 ppbv

RT: 2.040 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

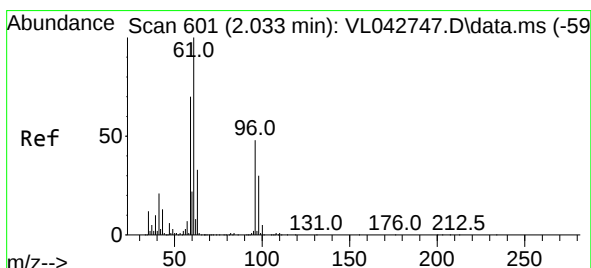
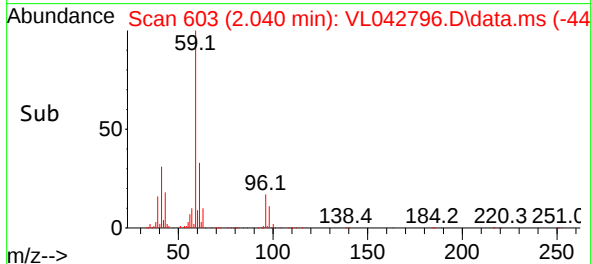
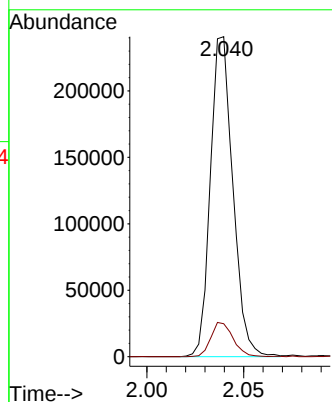
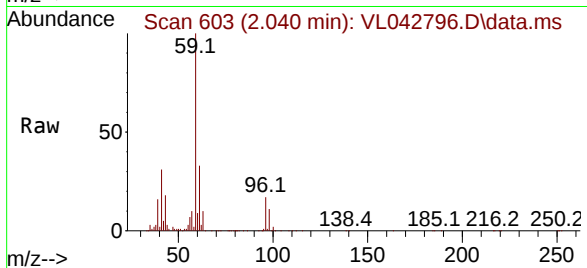
ClientSampleId :

Tgt Ion: 59 Resp: 195134

Ion Ratio Lower Upper

59 100

57 10.6 8.3 12.5



#18

1,1-Dichloroethene

Concen: 10.013 ppbv

RT: 2.033 min Scan# 601

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

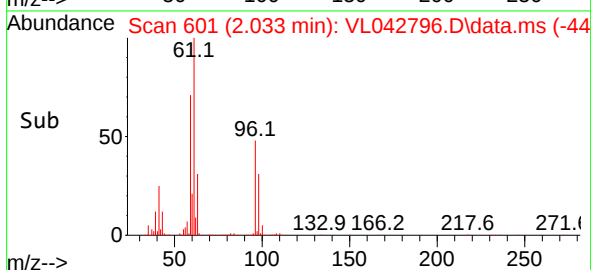
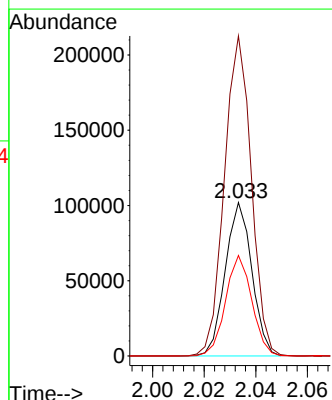
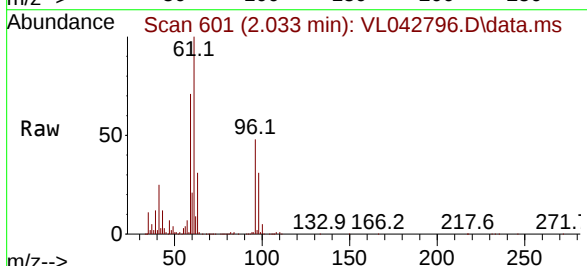
Tgt Ion: 96 Resp: 73240

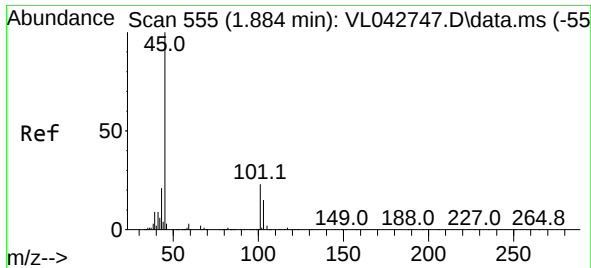
Ion Ratio Lower Upper

96 100

61 208.7 165.8 248.6

98 65.5 49.9 74.9

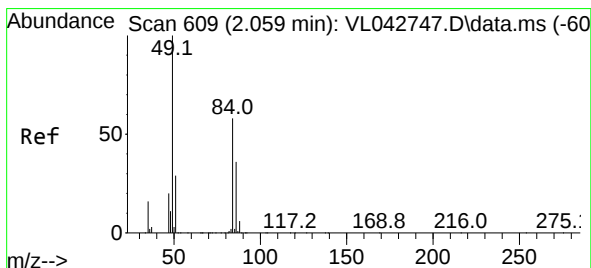
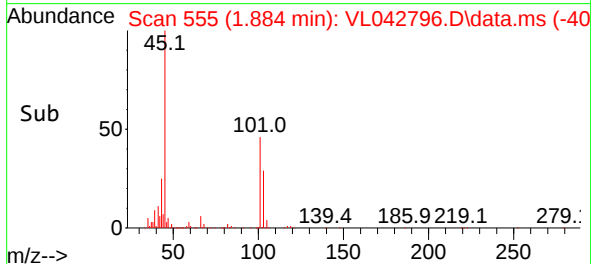
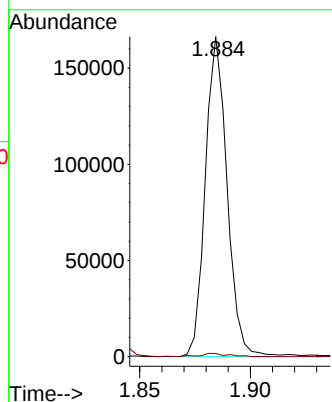
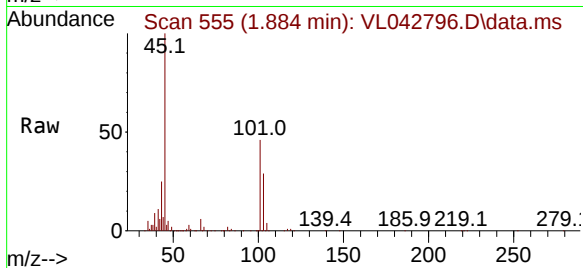




#19  
Isopropyl Alcohol  
Concen: 9.899 ppbv  
RT: 1.884 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

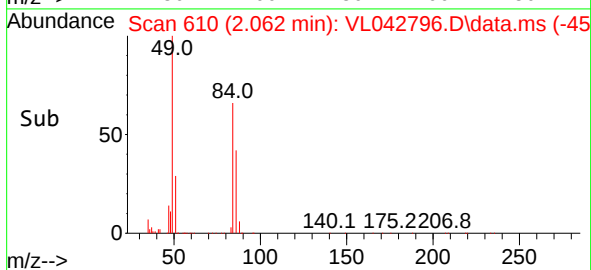
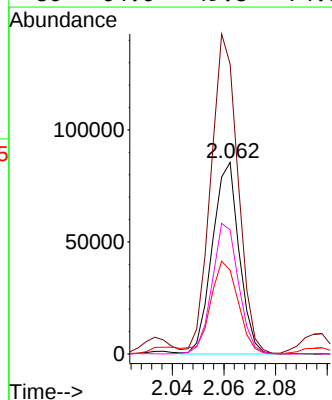
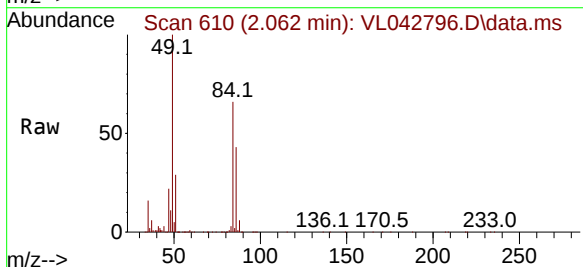
Instrument :  
MSVOA\_L  
ClientSampleId :

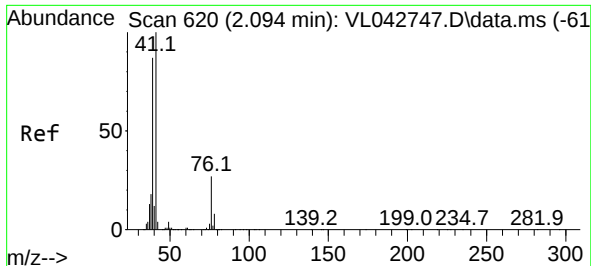
Tgt Ion: 45 Resp: 113543  
Ion Ratio Lower Upper  
45 100  
58 38.5 30.0 45.0



#20  
Methylene Chloride  
Concen: 9.066 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 84 Resp: 61661  
Ion Ratio Lower Upper  
84 100  
49 151.0 138.6 208.0  
51 43.7 40.6 61.0  
86 64.6 49.8 74.8

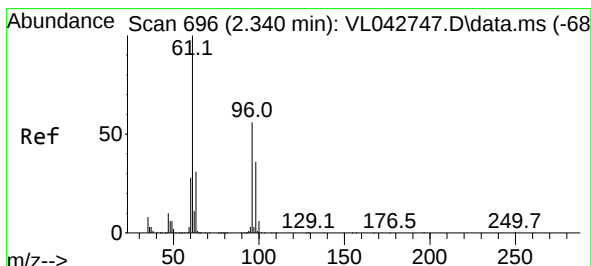
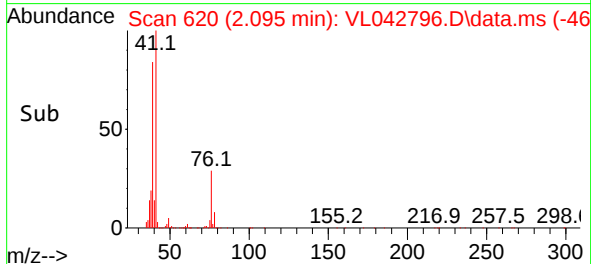
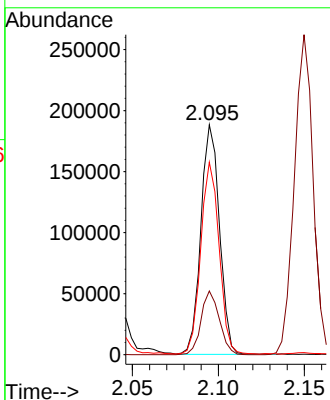
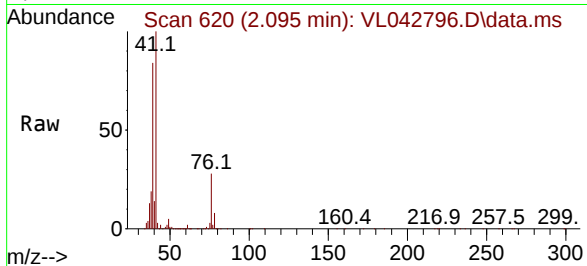




#21  
 Allyl Chloride  
 Concen: 10.643 ppbv  
 RT: 2.095 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

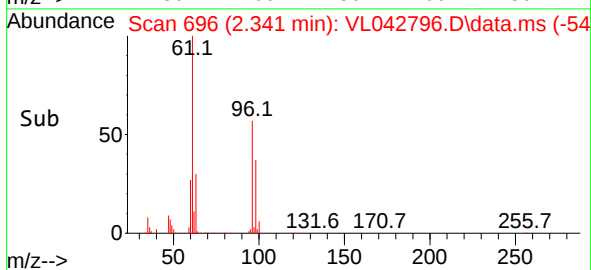
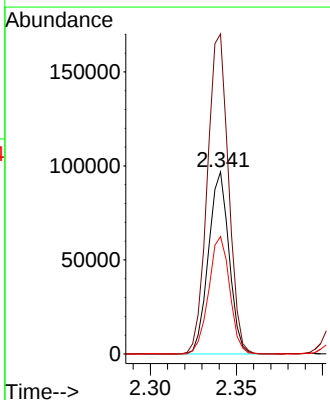
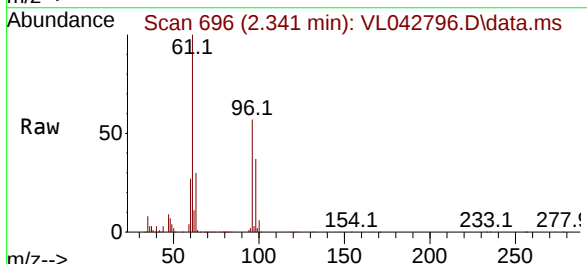
Instrument :  
 MSVOA\_L  
 ClientSampleId :

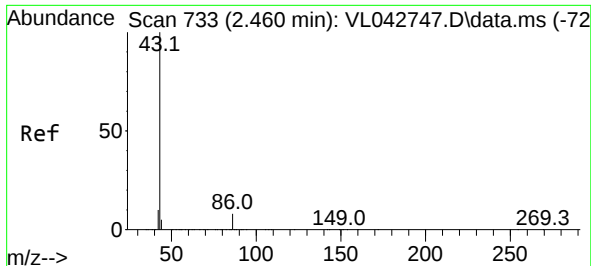
Tgt Ion: 41 Resp: 141580  
 Ion Ratio Lower Upper  
 41 100  
 76 27.2 21.1 31.7  
 39 82.3 68.3 102.5



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.234 ppbv  
 RT: 2.341 min Scan# 696  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 96 Resp: 80528  
 Ion Ratio Lower Upper  
 96 100  
 61 175.7 142.3 213.5  
 98 64.5 50.6 76.0



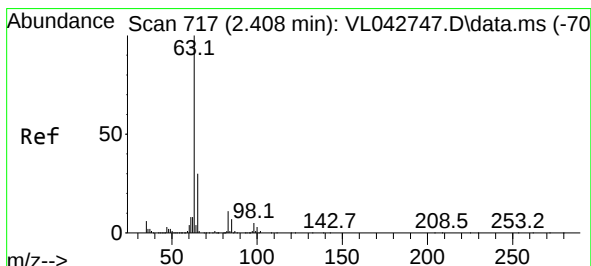
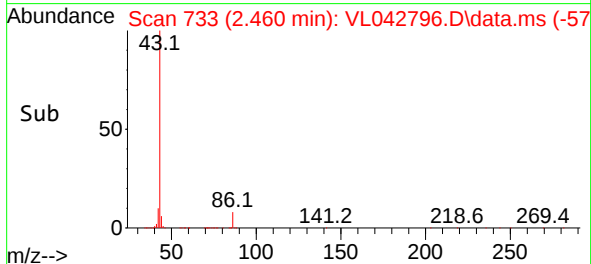
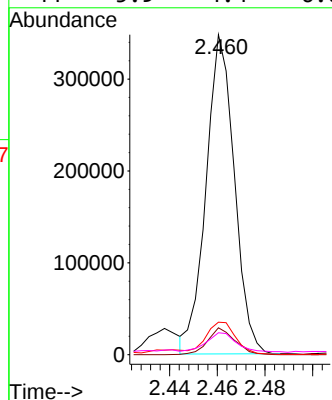
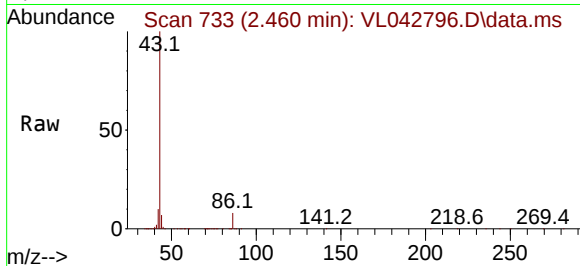


#23  
 Vinyl Acetate  
 Concen: 10.966 ppbv  
 RT: 2.460 min Scan# 717  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion: 43 Resp: 286954

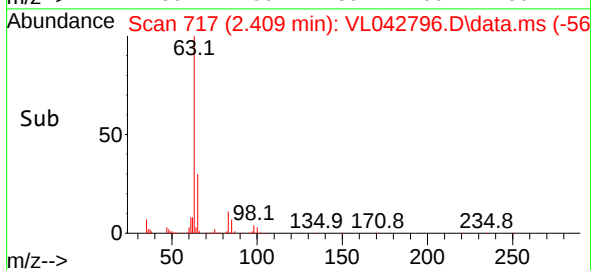
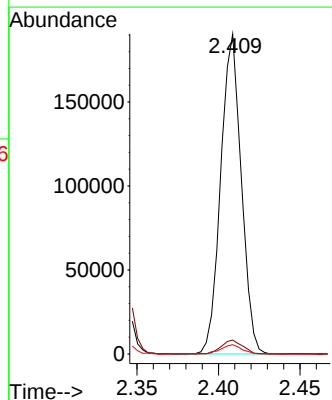
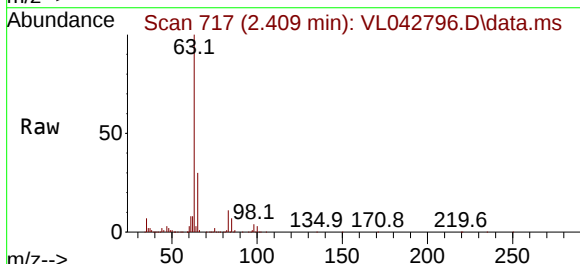
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 8.4   | 6.1   | 9.1   |
| 42  | 10.1  | 7.8   | 11.8  |
| 44  | 5.9   | 4.4   | 6.6   |

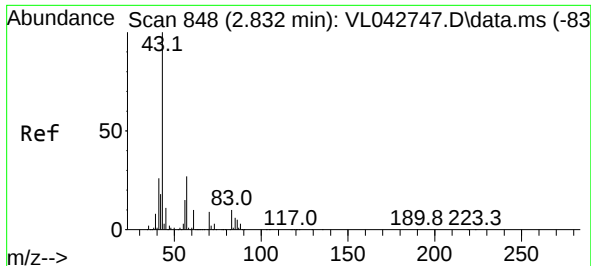


#24  
 1,1-Dichloroethane  
 Concen: 10.340 ppbv  
 RT: 2.409 min Scan# 717  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 63 Resp: 166989

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.4   | 2.5   | 7.4   |
| 100 | 2.9   | 1.6   | 4.8   |

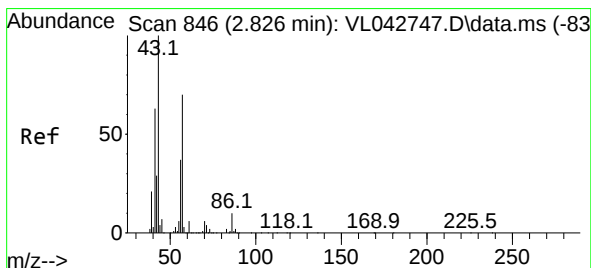
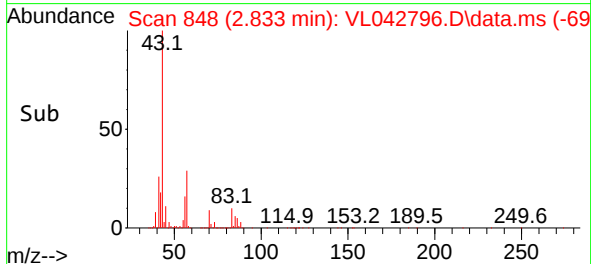
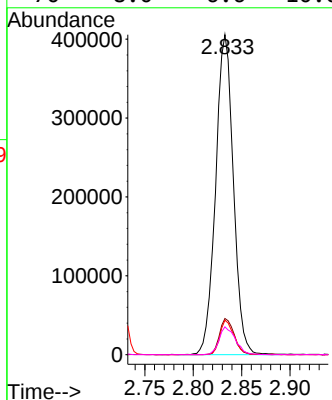
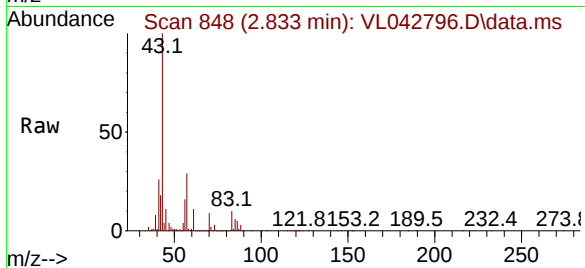




#25  
Ethyl Acetate  
Concen: 10.829 ppbv  
RT: 2.833 min Scan# 848  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

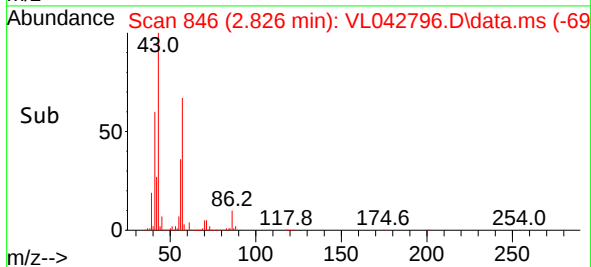
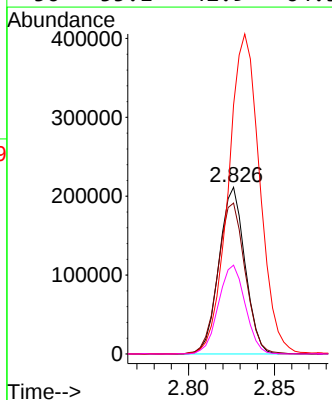
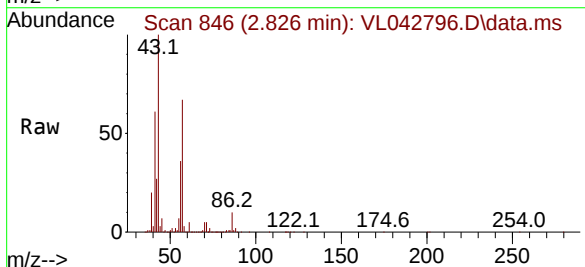
Instrument :  
MSVOA\_L  
ClientSampleId :

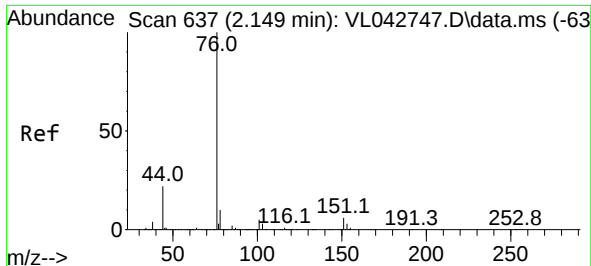
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 517370 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 45 9.4      | 7.8 11.6     |
| 61 8.8      | 6.7 10.1     |
| 70 8.0      | 6.6 10.0     |



#26  
Hexane  
Concen: 10.571 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion: 57 | Resp: | 221546 |
| Ion | Ratio   | Lower | Upper  |
| 57  | 100     |       |        |
| 41  | 95.9    | 75.4  | 113.2  |
| 43  | 233.7   | 185.0 | 277.6  |
| 56  | 55.1    | 42.9  | 64.3   |

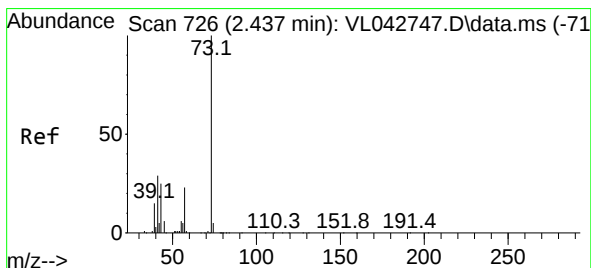
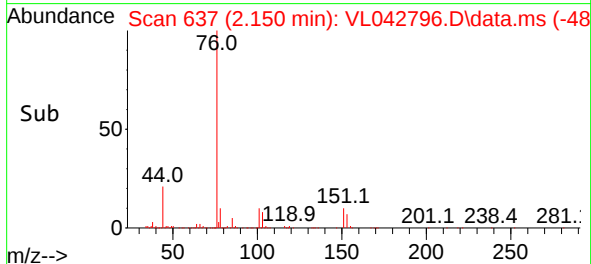
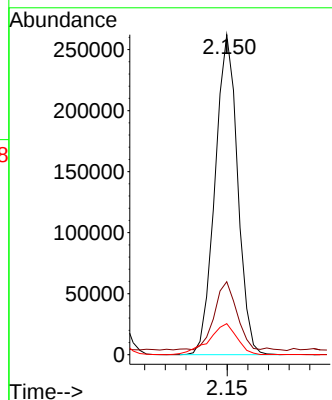
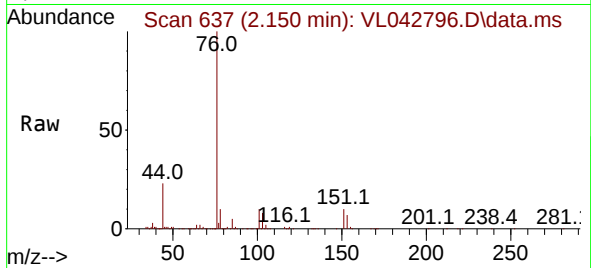




#27  
Carbon Disulfide  
Concen: 11.094 ppbv  
RT: 2.150 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

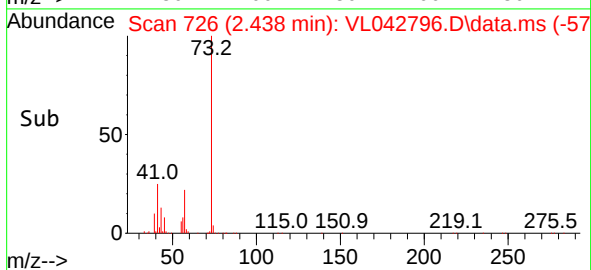
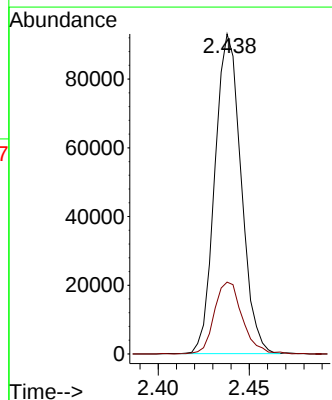
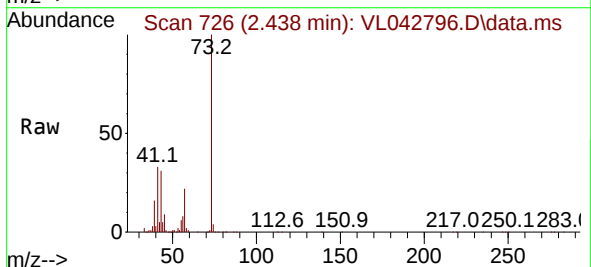
Instrument :  
MSVOA\_L  
ClientSampleId :

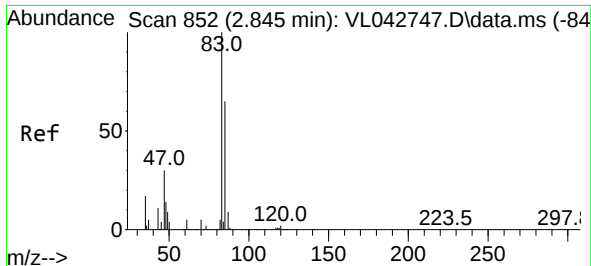
Tgt Ion: 76 Resp: 199042  
Ion Ratio Lower Upper  
76 100  
44 21.6 19.3 28.9  
78 12.1 9.9 14.9



#28  
Methyl tert-Butyl Ether  
Concen: 9.404 ppbv  
RT: 2.438 min Scan# 726  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 73 Resp: 93108  
Ion Ratio Lower Upper  
73 100  
57 24.1 19.8 29.8





#29

Chloroform

Concen: 10.520 ppbv

RT: 2.846 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

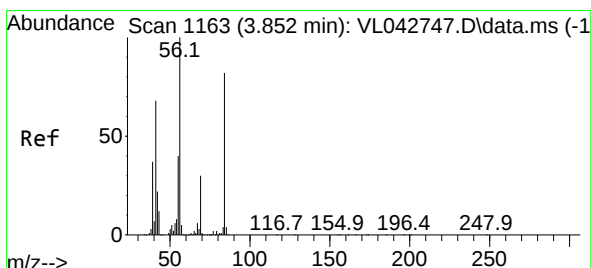
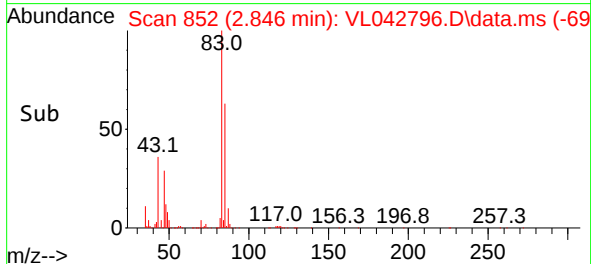
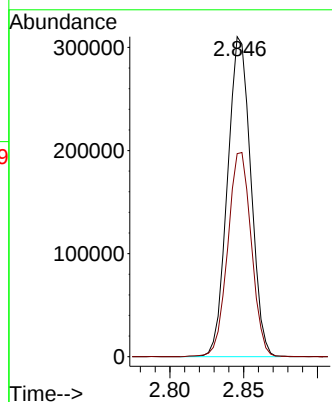
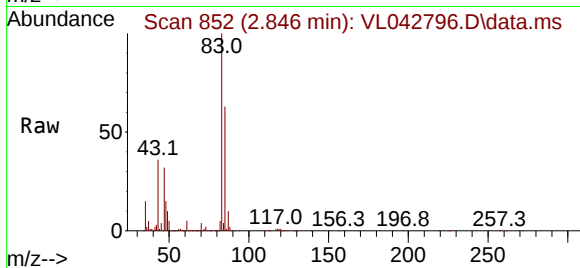
ClientSampleId :

Tgt Ion: 83 Resp: 340691

Ion Ratio Lower Upper

83 100

85 63.4 52.2 78.2



#30

Cyclohexane

Concen: 10.195 ppbv

RT: 3.855 min Scan# 1164

Delta R.T. 0.004 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

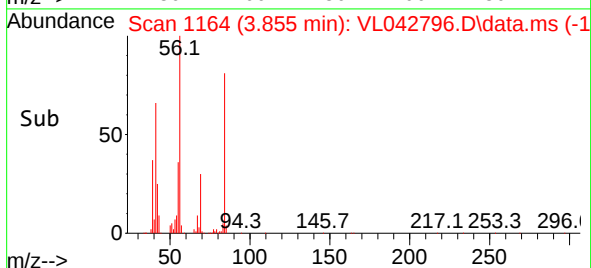
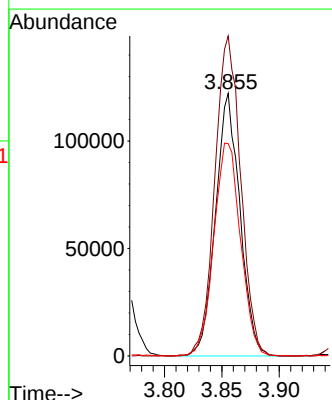
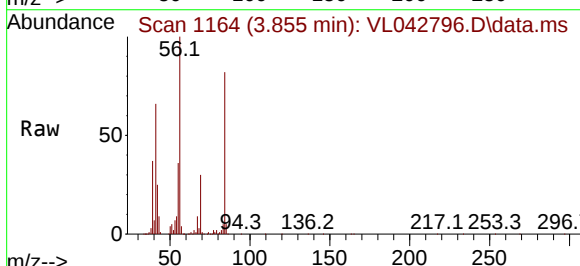
Tgt Ion: 84 Resp: 181209

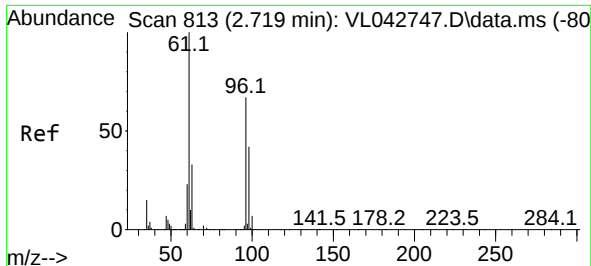
Ion Ratio Lower Upper

84 100

56 128.6 97.5 146.3

41 88.5 67.2 100.8

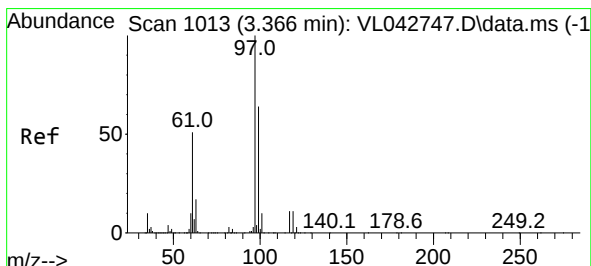
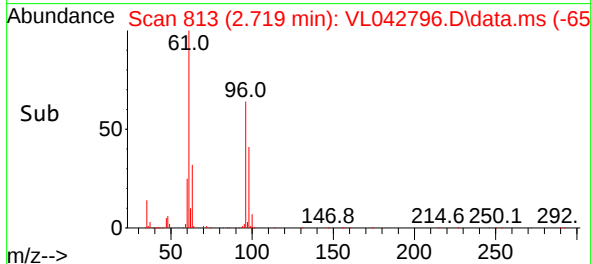
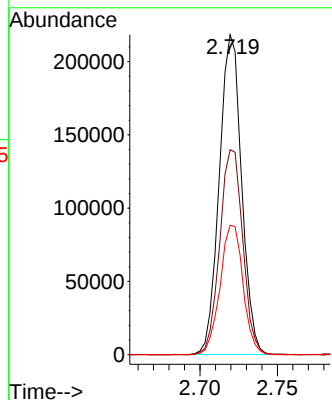
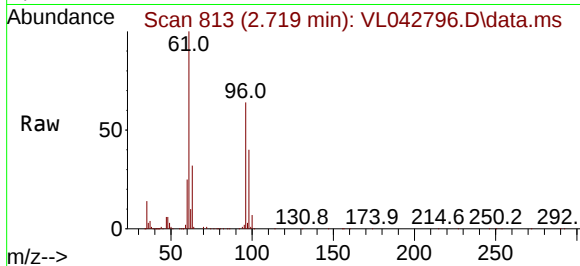




#31  
 cis-1,2-Dichloroethene  
 Concen: 10.164 ppbv  
 RT: 2.719 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

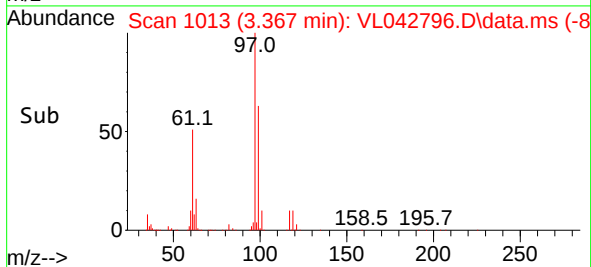
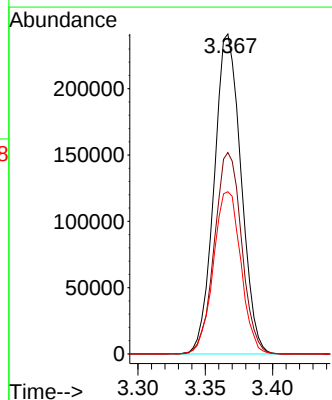
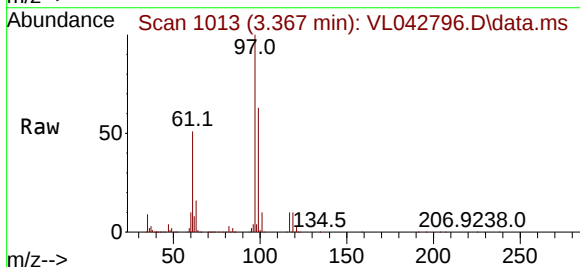
Instrument :  
 MSVOA\_L  
 ClientSampleId :

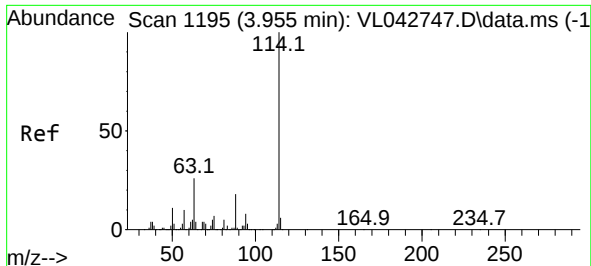
Tgt Ion: 61 Resp: 218880  
 Ion Ratio Lower Upper  
 61 100  
 96 64.1 53.5 80.3  
 98 40.5 33.6 50.4



#32  
 1,1,1-Trichloroethane  
 Concen: 9.948 ppbv  
 RT: 3.367 min Scan# 1013  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 97 Resp: 335591  
 Ion Ratio Lower Upper  
 97 100  
 99 63.7 51.0 76.6  
 61 51.9 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

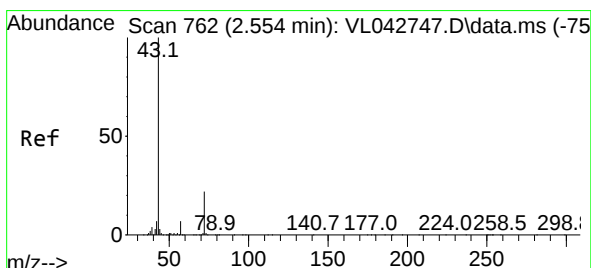
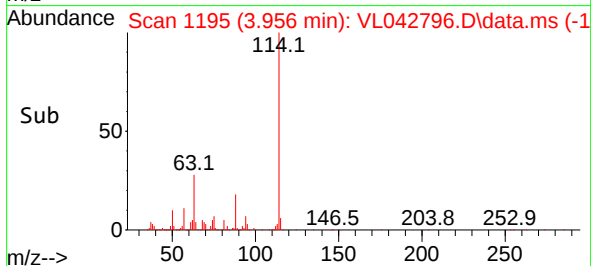
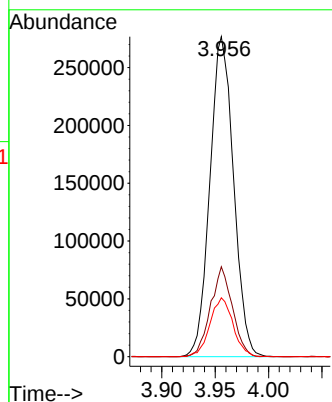
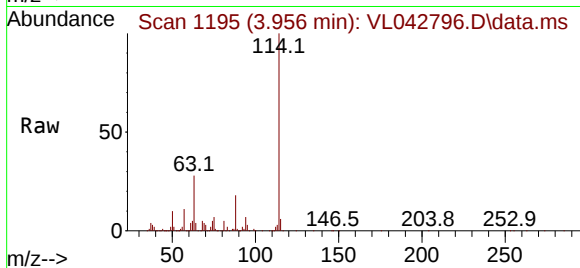
Tgt Ion:114 Resp: 426613

Ion Ratio Lower Upper

114 100

63 26.1 20.5 30.7

88 18.0 14.0 21.0



#34

2-Butanone

Concen: 11.329 ppbv

RT: 2.554 min Scan# 762

Delta R.T. 0.000 min

Lab File: VL042796.D

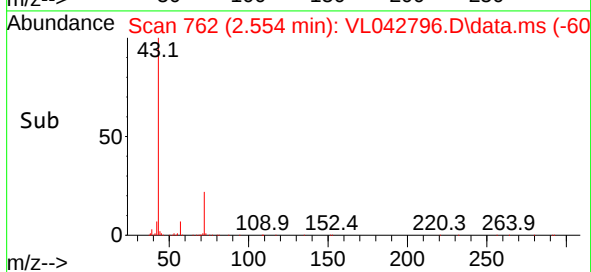
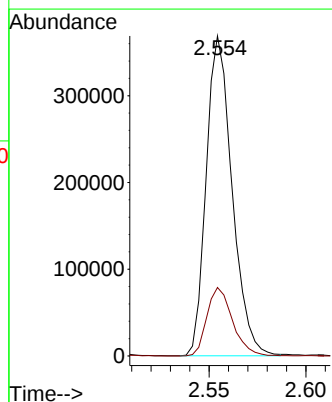
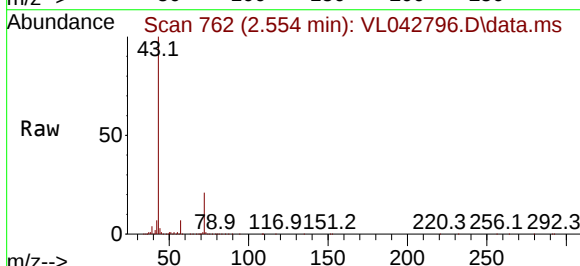
Acq: 04 Aug 2025 09:31

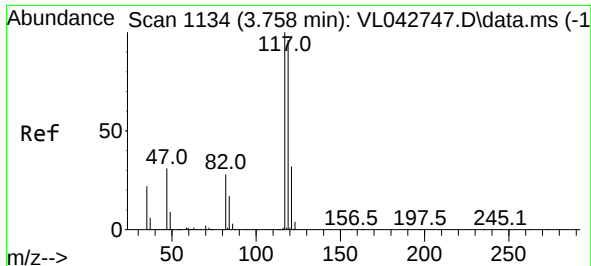
Tgt Ion: 43 Resp: 342346

Ion Ratio Lower Upper

43 100

72 21.3 17.4 26.0

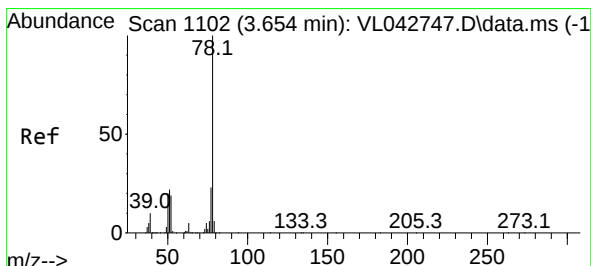
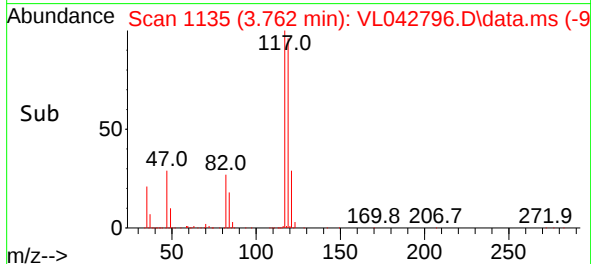
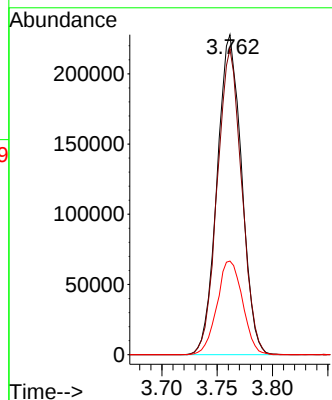
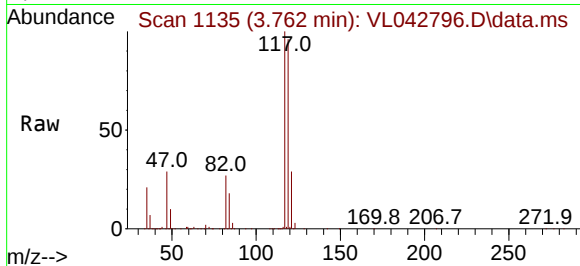




#35  
Carbon Tetrachloride  
Concen: 11.082 ppbv  
RT: 3.762 min Scan# 1135  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

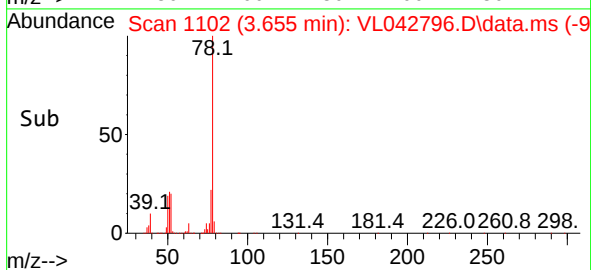
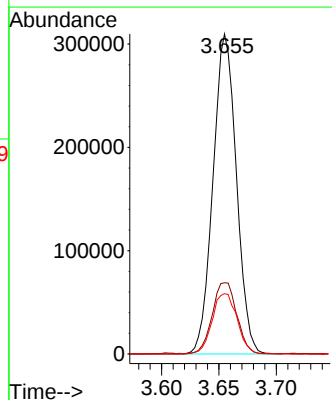
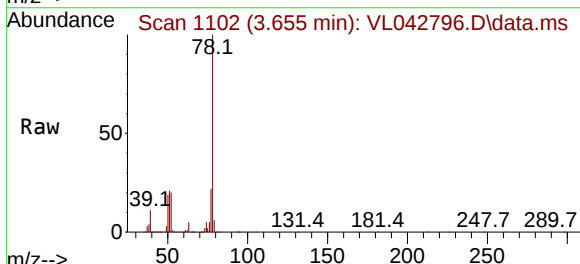
Instrument :  
MSVOA\_L  
ClientSampleId :

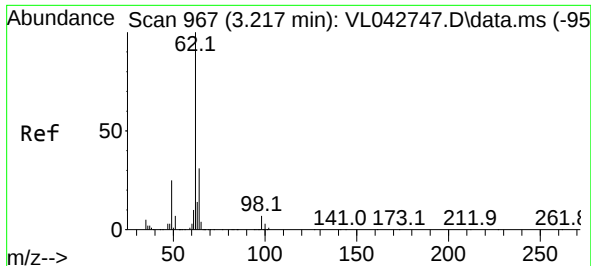
Tgt Ion:117 Resp: 351173  
Ion Ratio Lower Upper  
117 100  
119 95.5 77.1 115.7  
121 29.2 25.5 38.3



#36  
Benzene  
Concen: 10.861 ppbv  
RT: 3.655 min Scan# 1102  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 78 Resp: 439144  
Ion Ratio Lower Upper  
78 100  
77 22.2 18.5 27.7  
50 18.8 16.2 24.2





#37

1,2-Dichloroethane

Concen: 11.022 ppbv

RT: 3.215 min Scan# 9

Delta R.T. -0.003 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

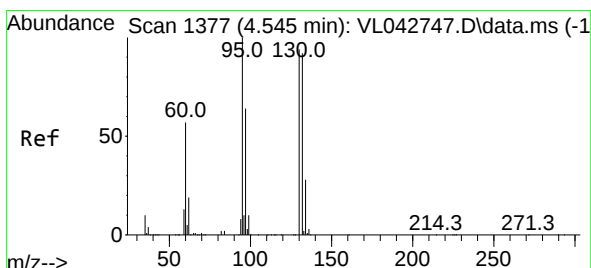
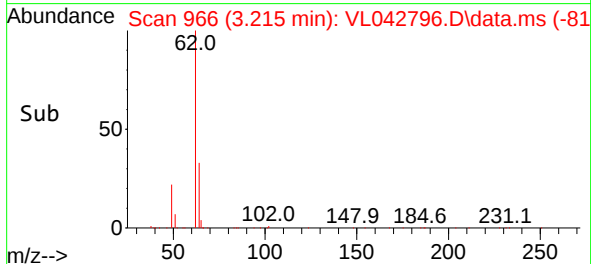
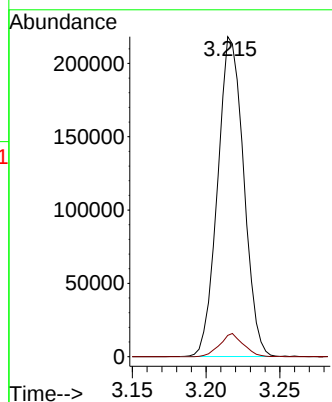
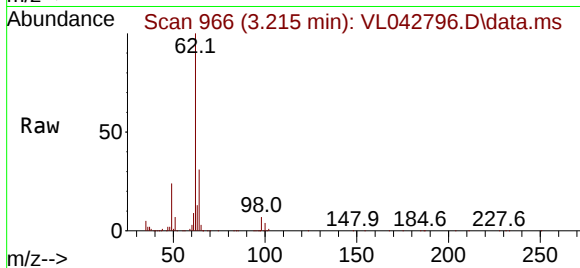
ClientSampleId :

Tgt Ion: 62 Resp: 268448

Ion Ratio Lower Upper

62 100

98 6.6 5.2 7.8



#38

Trichloroethene

Concen: 10.219 ppbv

RT: 4.548 min Scan# 1378

Delta R.T. 0.004 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Tgt Ion:130 Resp: 198489

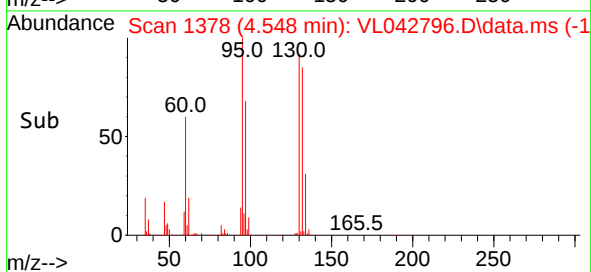
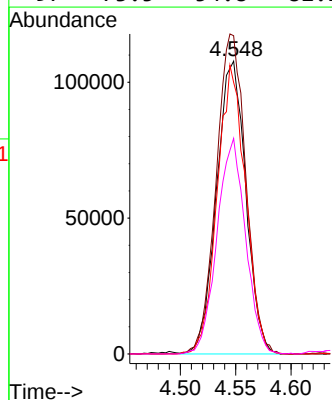
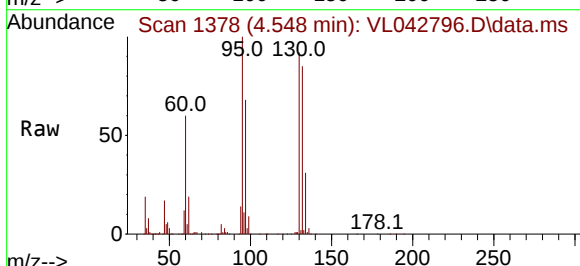
Ion Ratio Lower Upper

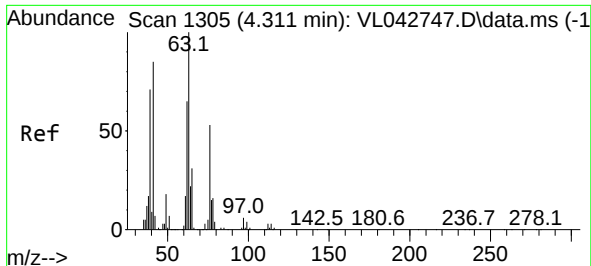
130 100

95 108.7 85.4 128.2

132 92.5 78.2 117.2

97 73.5 54.8 82.2





#39

1,2-Dichloropropane

Concen: 10.828 ppbv

RT: 4.309 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

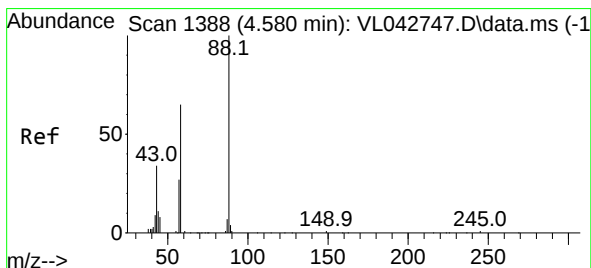
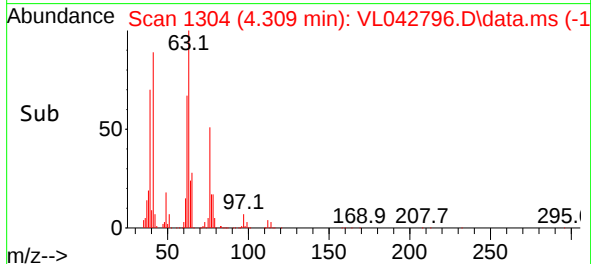
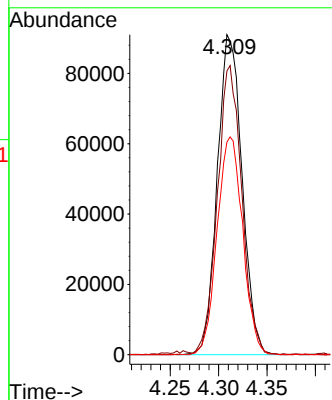
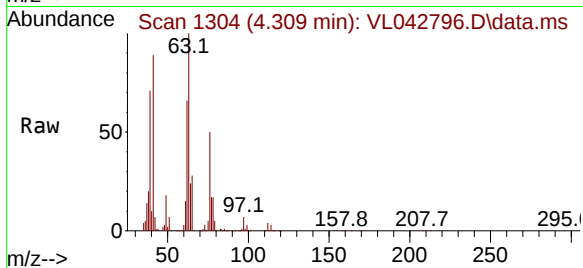
Tgt Ion: 63 Resp: 161604

Ion Ratio Lower Upper

63 100

41 88.5 68.2 102.4

62 66.5 52.0 78.0



#40

1,4-Dioxane

Concen: 10.142 ppbv

RT: 4.577 min Scan# 1387

Delta R.T. -0.003 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Tgt Ion: 88 Resp: 70550

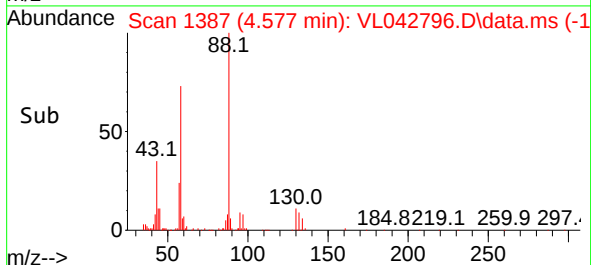
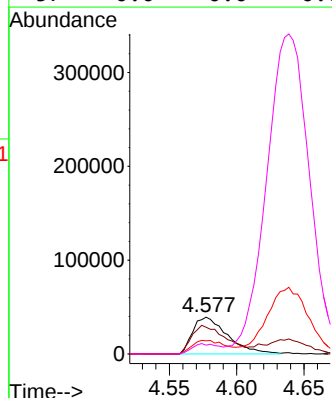
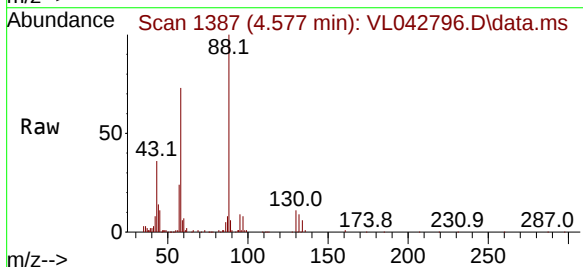
Ion Ratio Lower Upper

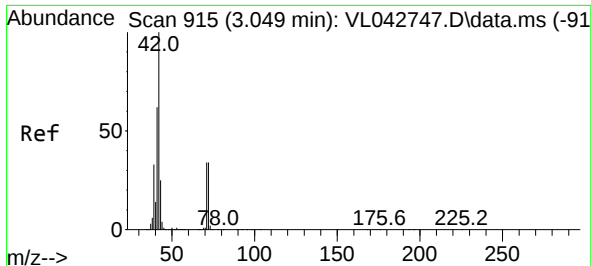
88 100

58 75.0 58.8 88.2

43 34.7 28.9 43.3

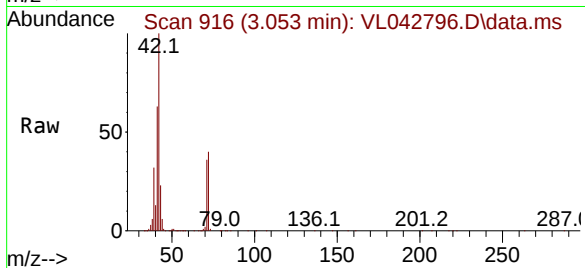
57 0.0 0.0 0.0



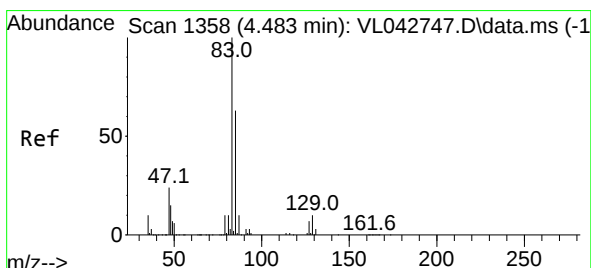
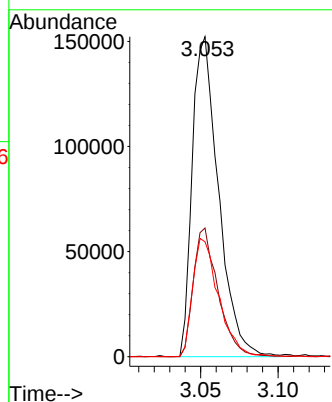
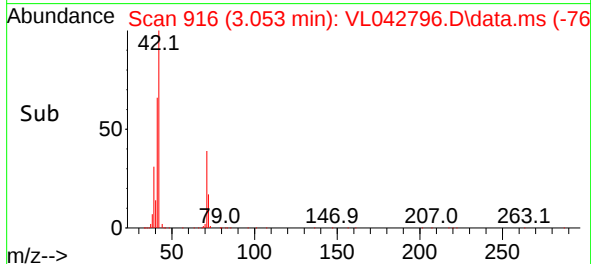


#41  
Tetrahydrofuran  
Concen: 11.676 ppbv  
RT: 3.053 min Scan# 915  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

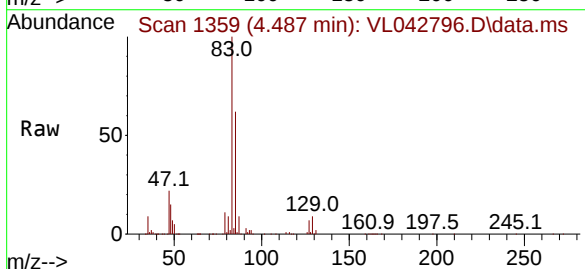
Instrument :  
MSVOA\_L  
ClientSampleId :



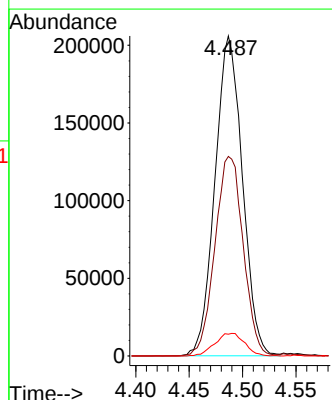
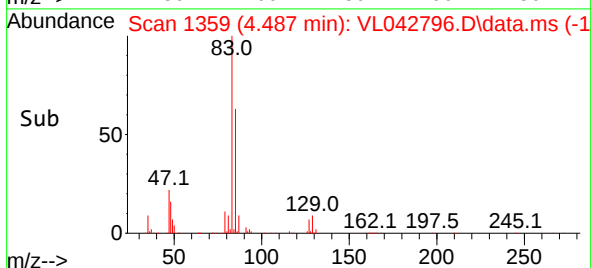
Tgt Ion: 42 Resp: 179539  
Ion Ratio Lower Upper  
42 100  
72 38.1 30.9 46.3  
71 36.8 28.6 43.0

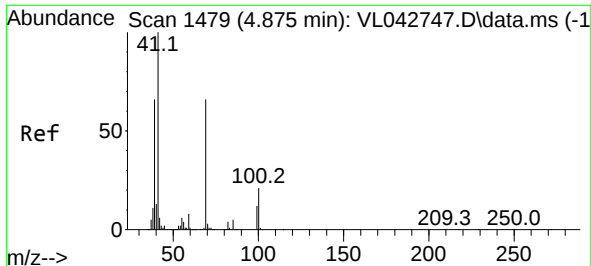


#42  
Bromodichloromethane  
Concen: 11.618 ppbv  
RT: 4.487 min Scan# 1359  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31



Tgt Ion: 83 Resp: 368522  
Ion Ratio Lower Upper  
83 100  
85 62.3 50.2 75.4  
127 6.8 5.4 8.2

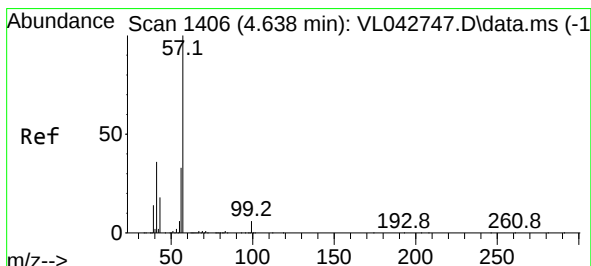
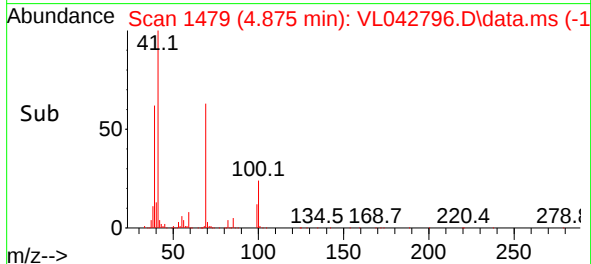
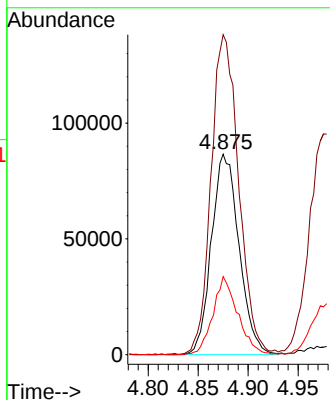
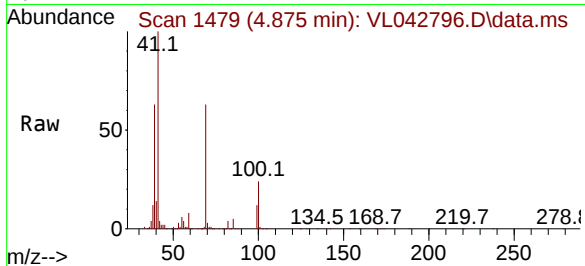




#43  
Methyl Methacrylate  
Concen: 11.594 ppbv  
RT: 4.875 min Scan# 1479  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

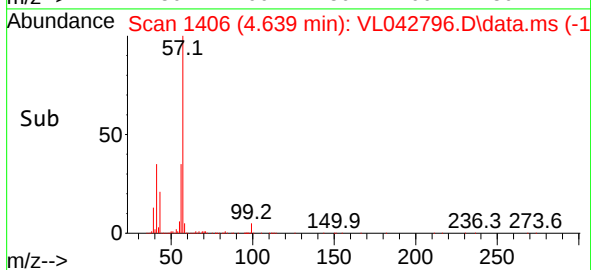
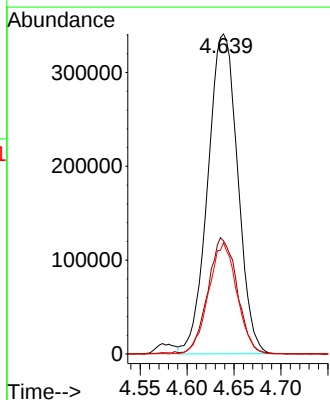
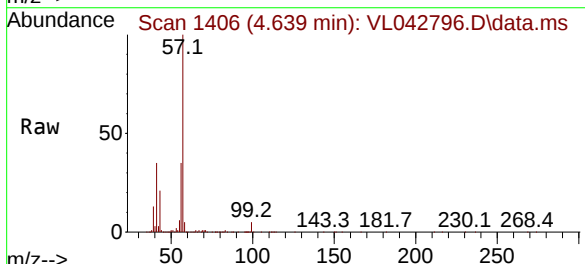
Instrument :  
MSVOA\_L  
ClientSampleId :

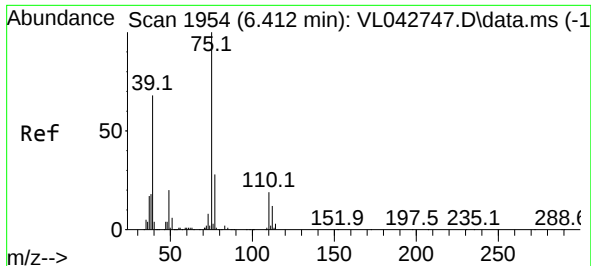
Tgt Ion: 69 Resp: 166622  
Ion Ratio Lower Upper  
69 100  
41 159.6 125.7 188.5  
100 35.1 28.6 42.8



#44  
2,2,4-Trimethylpentane  
Concen: 11.456 ppbv  
RT: 4.639 min Scan# 1406  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 57 Resp: 754946  
Ion Ratio Lower Upper  
57 100  
41 35.8 28.3 42.5  
56 33.1 25.8 38.6

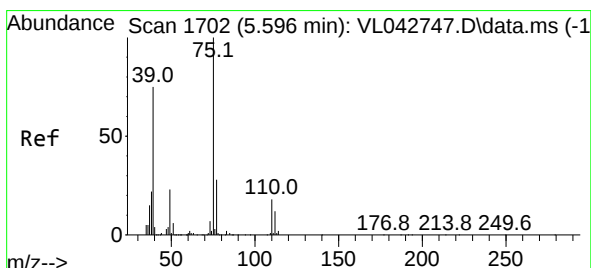
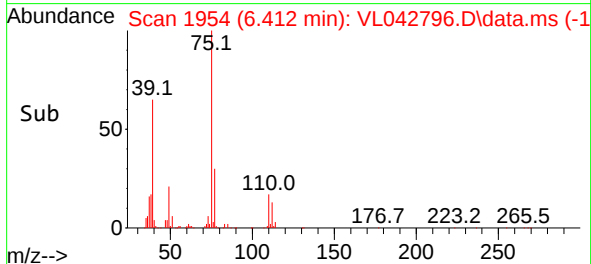
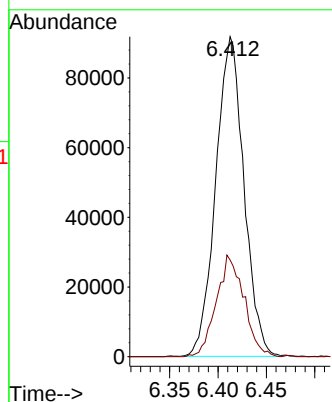
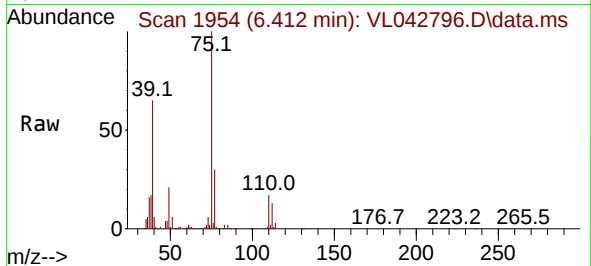




#45  
 t-1,3-Dichloropropene  
 Concen: 11.524 ppbv  
 RT: 6.412 min Scan# 1954  
 Delta R.T. 0.000 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

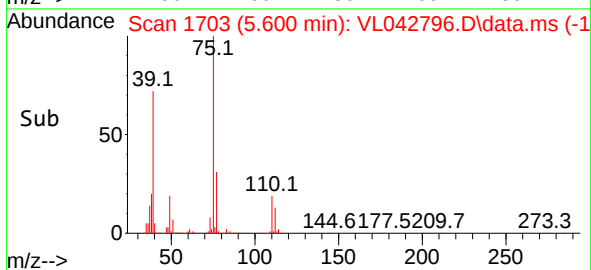
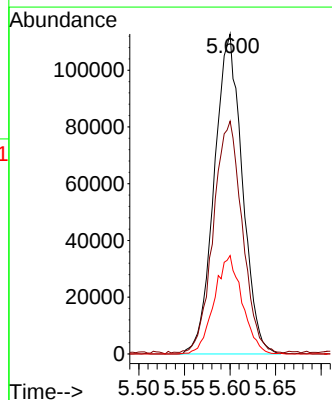
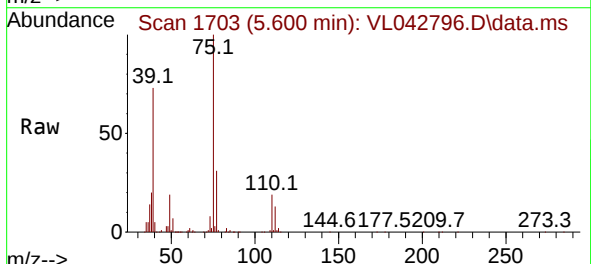
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion: 75 Resp: 185713  
 Ion Ratio Lower Upper  
 75 100  
 77 30.2 22.4 33.6



#46  
 cis-1,3-Dichloropropene  
 Concen: 11.799 ppbv  
 RT: 5.600 min Scan# 1703  
 Delta R.T. 0.004 min  
 Lab File: VL042796.D  
 Acq: 04 Aug 2025 09:31

Tgt Ion: 75 Resp: 240949  
 Ion Ratio Lower Upper  
 75 100  
 39 72.3 60.2 90.2  
 77 30.6 22.6 34.0





#47

1,1,2-Trichloroethane

Concen: 11.078 ppbv

RT: 6.577 min Scan# 20

Delta R.T. -0.003 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 97 Resp: 176245

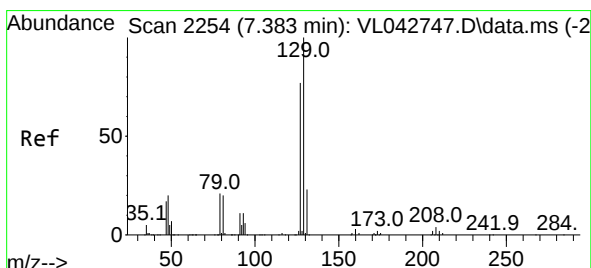
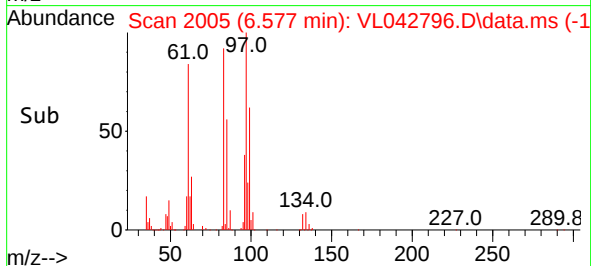
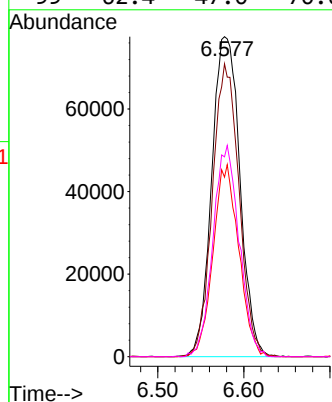
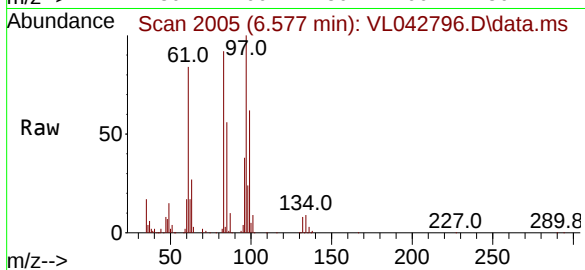
Ion Ratio Lower Upper

97 100

83 91.4 71.1 106.7

85 56.1 43.0 64.4

99 62.4 47.0 70.6



#48

Dibromochloromethane

Concen: 11.954 ppbv

RT: 7.387 min Scan# 2255

Delta R.T. 0.004 min

Lab File: VL042796.D

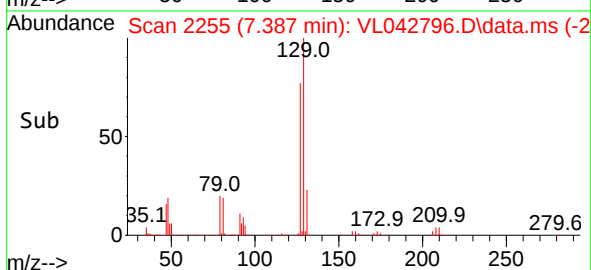
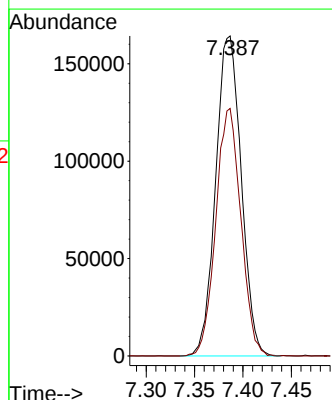
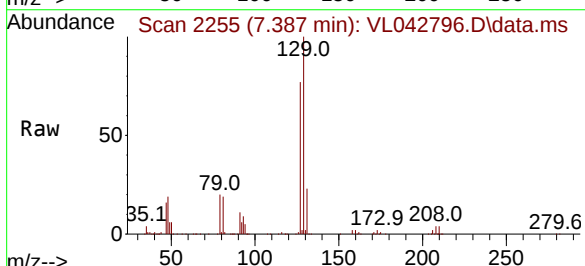
Acq: 04 Aug 2025 09:31

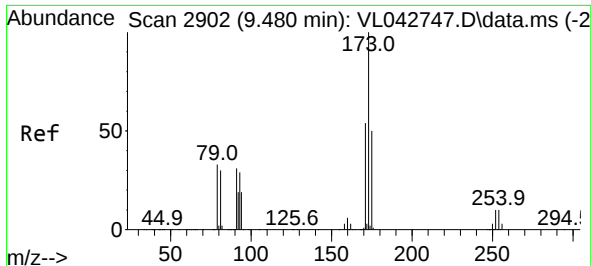
Tgt Ion: 129 Resp: 301910

Ion Ratio Lower Upper

129 100

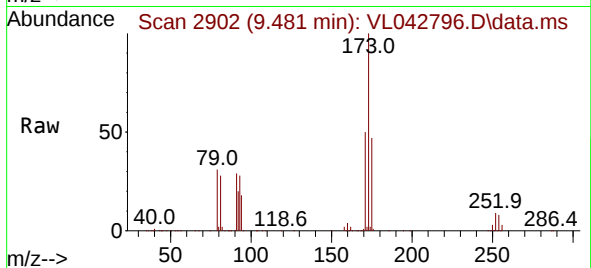
127 75.7 38.7 116.1



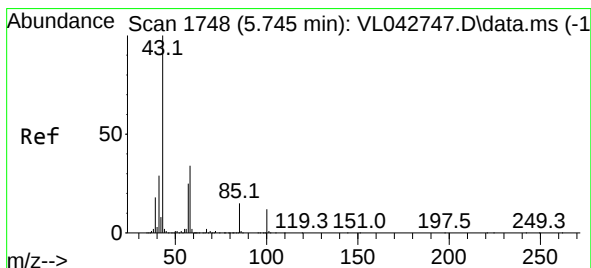
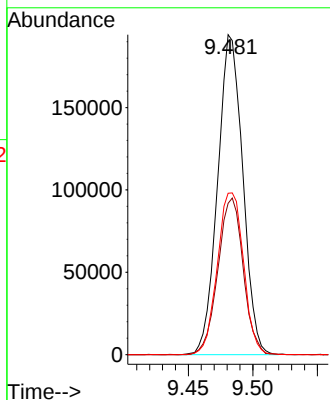
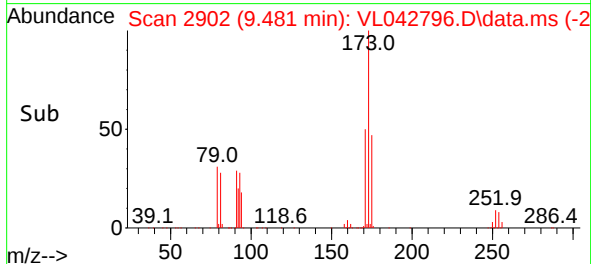


#49  
Bromoform  
Concen: 11.932 ppbv  
RT: 9.481 min Scan# 2902  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Instrument :  
MSVOA\_L  
ClientSampleId :

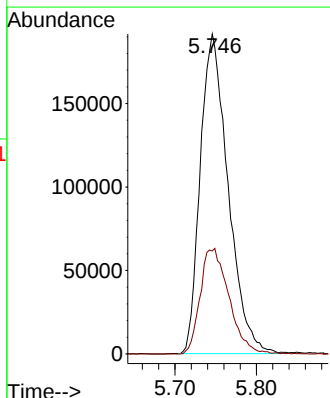
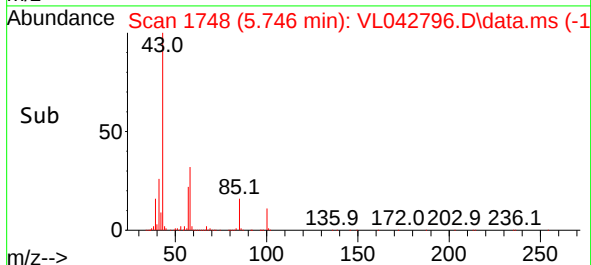
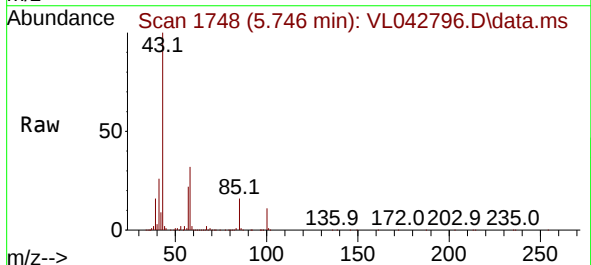


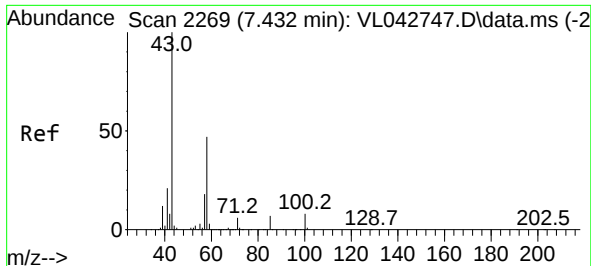
Tgt Ion:173 Resp: 262767  
Ion Ratio Lower Upper  
173 100  
175 49.4 38.4 57.6  
171 52.7 40.9 61.3



#50  
4-Methyl-2-Pentanone  
Concen: 11.662 ppbv  
RT: 5.746 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 43 Resp: 453959  
Ion Ratio Lower Upper  
43 100  
58 34.2 27.8 41.8

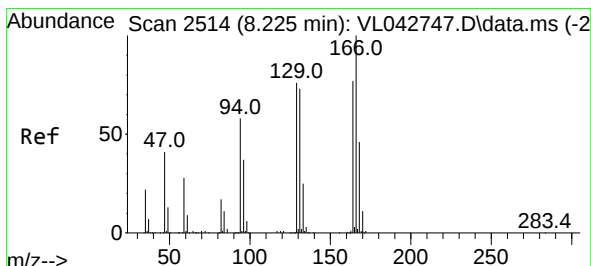
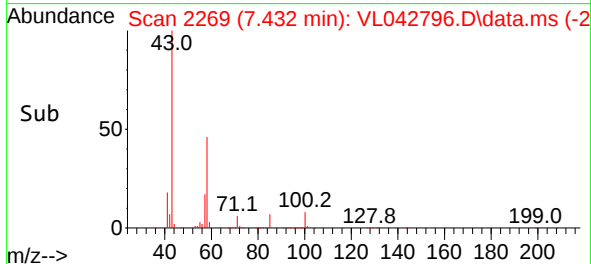
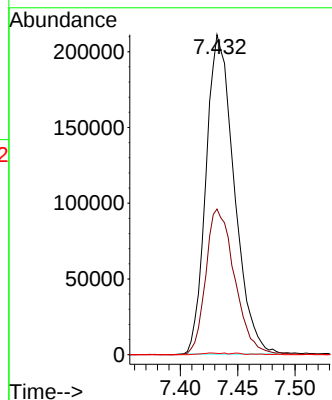
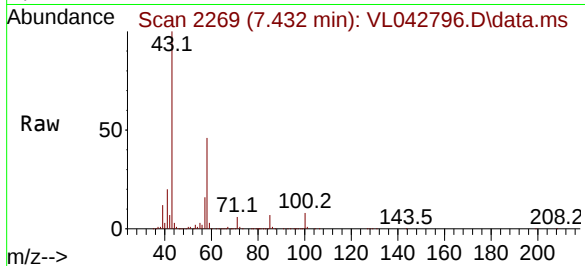




#51  
2-Hexanone  
Concen: 12.258 ppbv  
RT: 7.432 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

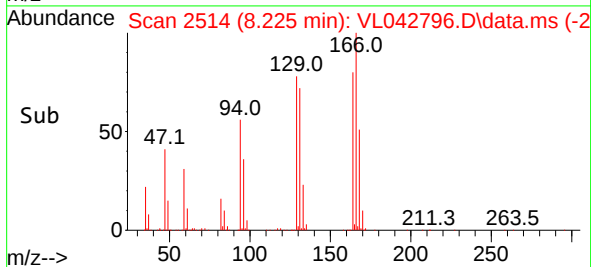
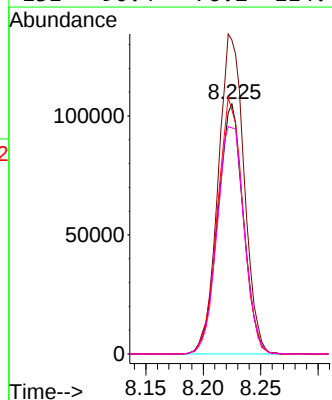
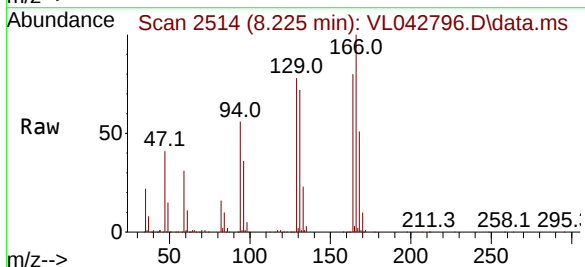
Instrument :  
MSVOA\_L  
ClientSampleId :

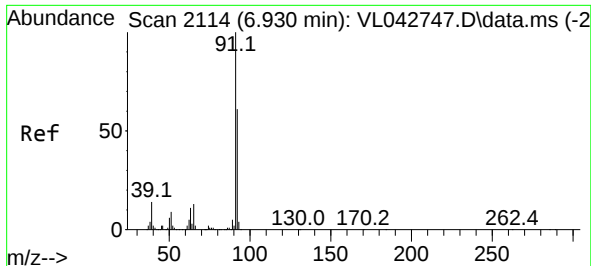
Tgt Ion: 43 Resp: 360580  
Ion Ratio Lower Upper  
43 100  
58 46.8 38.0 57.0  
98 0.7 0.2 0.4#



#52  
Tetrachloroethene  
Concen: 9.686 ppbv  
RT: 8.225 min Scan# 2514  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion:164 Resp: 162318  
Ion Ratio Lower Upper  
164 100  
166 125.5 104.0 156.0  
129 97.6 79.2 118.8  
131 90.4 76.2 114.4

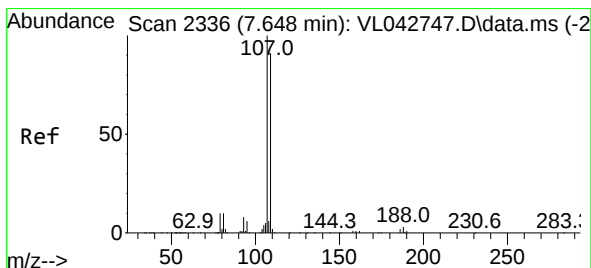
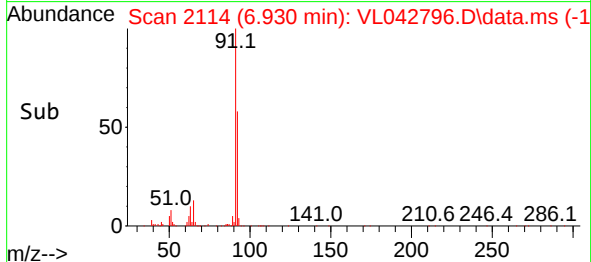
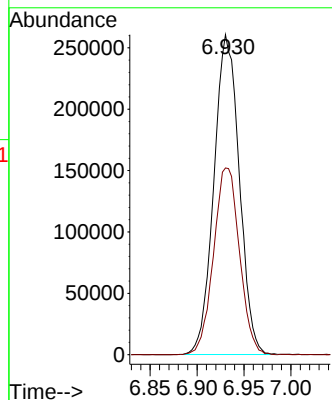
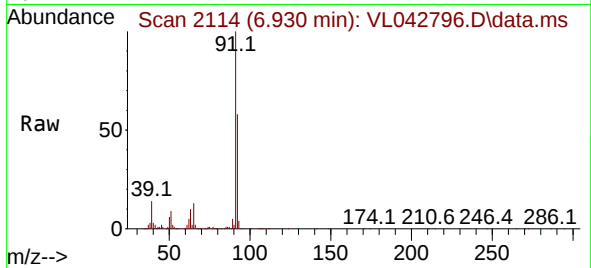




#53  
Toluene  
Concen: 11.278 ppbv  
RT: 6.930 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

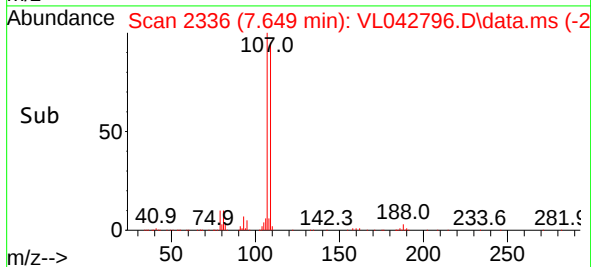
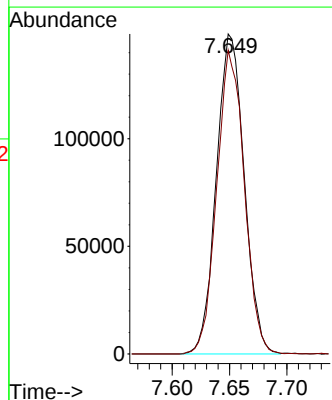
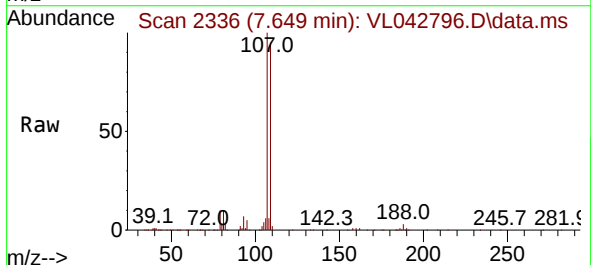
Instrument :  
MSVOA\_L  
ClientSampleId :

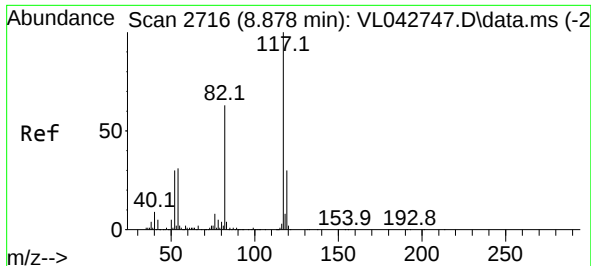
Tgt Ion: 91 Resp: 489672  
Ion Ratio Lower Upper  
91 100  
92 59.8 48.0 72.0



#54  
1,2-Dibromoethane  
Concen: 11.165 ppbv  
RT: 7.649 min Scan# 2336  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 107 Resp: 250956  
Ion Ratio Lower Upper  
107 100  
109 95.0 72.7 109.1

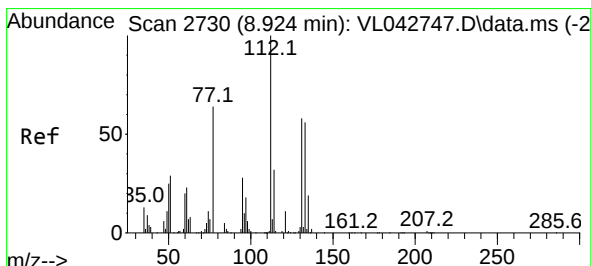
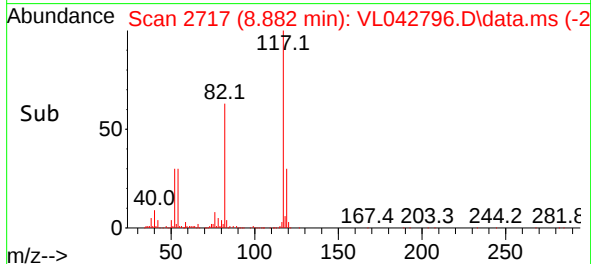
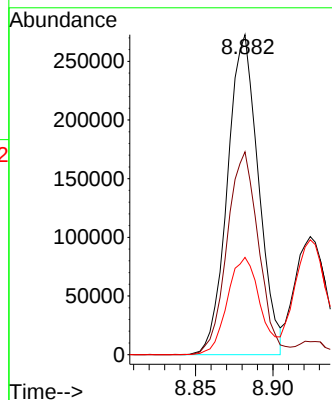
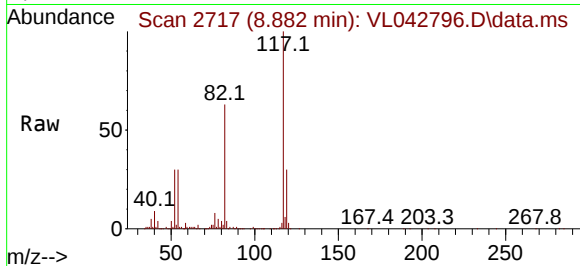




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.882 min Scan# 2717  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

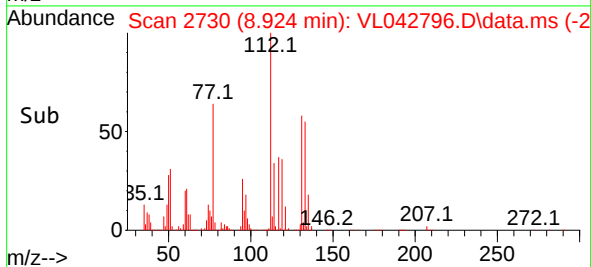
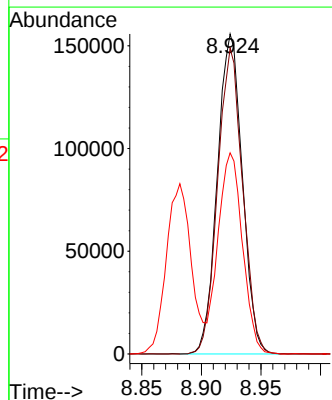
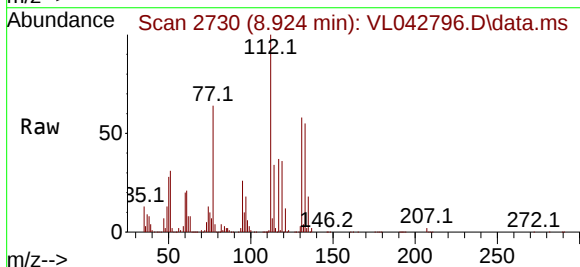
Instrument :  
MSVOA\_L  
ClientSampleId :

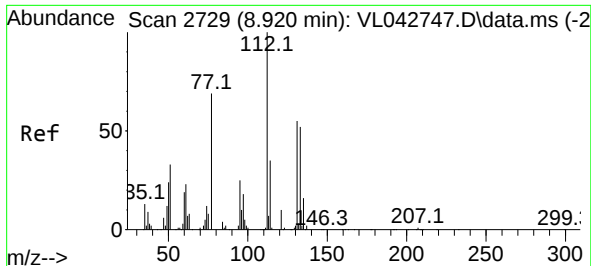
Tgt Ion:117 Resp: 380017  
Ion Ratio Lower Upper  
117 100  
82 68.7 53.3 79.9  
119 32.4 25.8 38.6



#56  
1,1,1,2-Tetrachloroethane  
Concen: 11.479 ppbv  
RT: 8.924 min Scan# 2730  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion:131 Resp: 226803  
Ion Ratio Lower Upper  
131 100  
133 95.3 76.8 115.2  
119 62.3 49.7 74.5

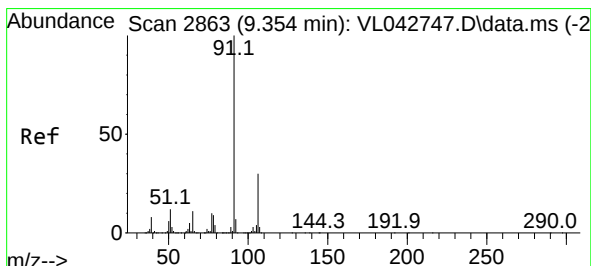
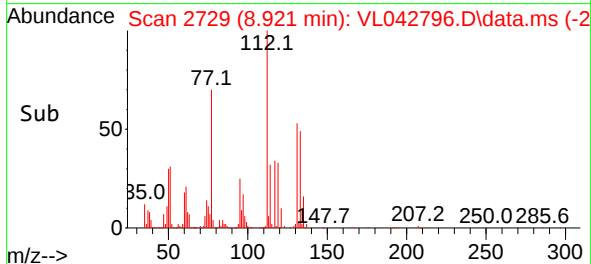
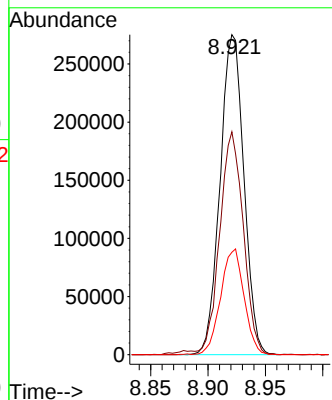
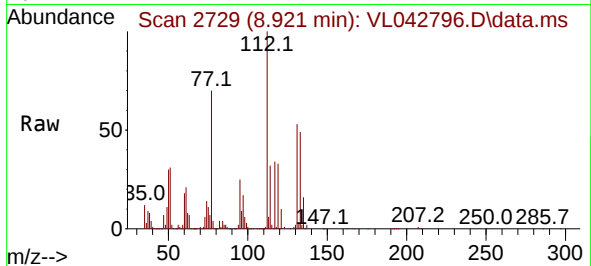




#57  
Chlorobenzene  
Concen: 10.808 ppbv  
RT: 8.921 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

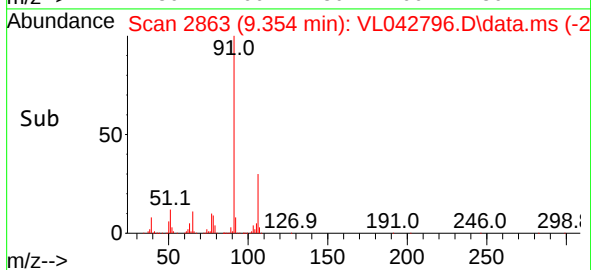
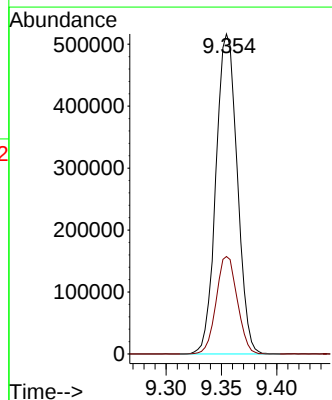
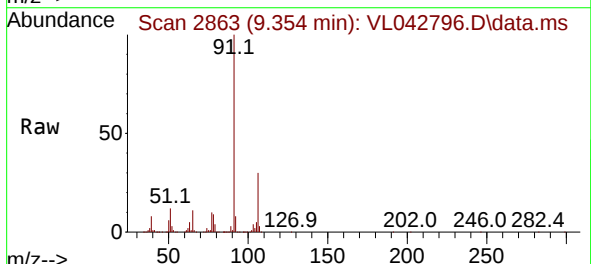
Instrument :  
MSVOA\_L  
ClientSampleId :

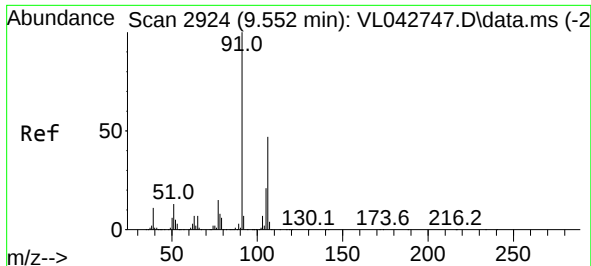
Tgt Ion:112 Resp: 397515  
Ion Ratio Lower Upper  
112 100  
77 69.7 56.4 84.6  
114 32.0 31.2 38.2



#58  
Ethyl Benzene  
Concen: 11.533 ppbv  
RT: 9.354 min Scan# 2863  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 91 Resp: 692150  
Ion Ratio Lower Upper  
91 100  
106 30.5 23.8 35.6

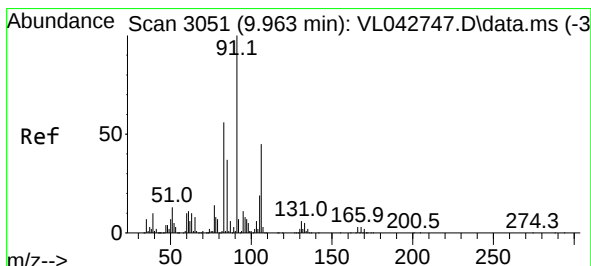
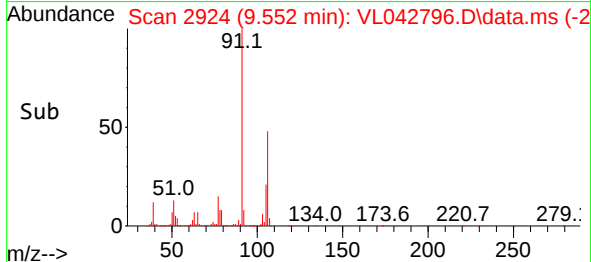
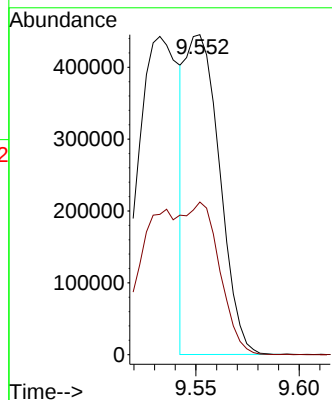
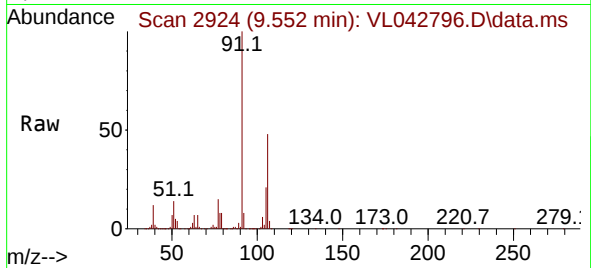




#59  
m/p-Xylene  
Concen: 10.643 ppbv  
RT: 9.552 min Scan# 2924  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

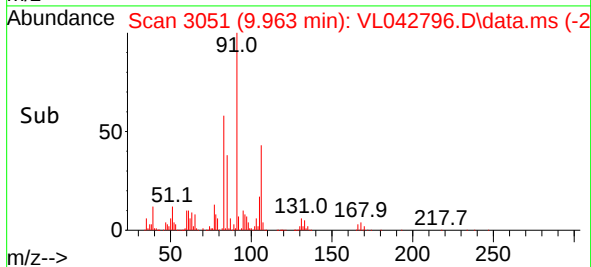
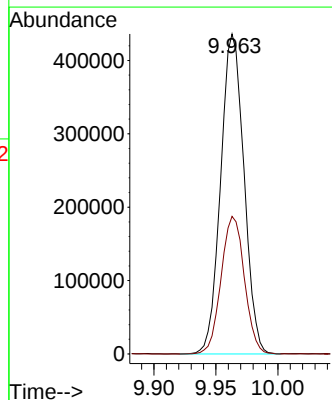
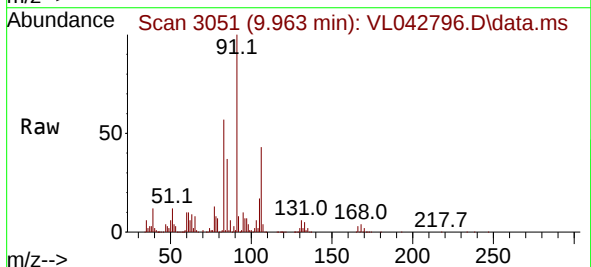
Instrument :  
MSVOA\_L  
ClientSampleId :

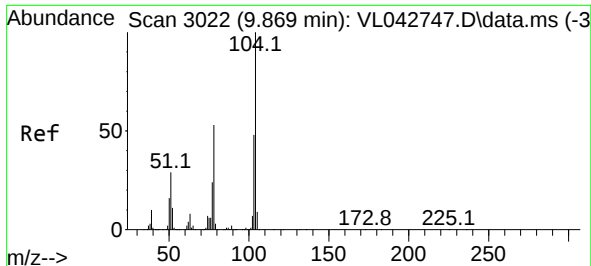
Tgt Ion: 91 Resp: 510426  
Ion Ratio Lower Upper  
91 100  
106 102.2 37.4 56.2#



#60  
o-Xylene  
Concen: 11.935 ppbv  
RT: 9.963 min Scan# 3051  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 91 Resp: 571988  
Ion Ratio Lower Upper  
91 100  
106 43.0 22.0 66.0

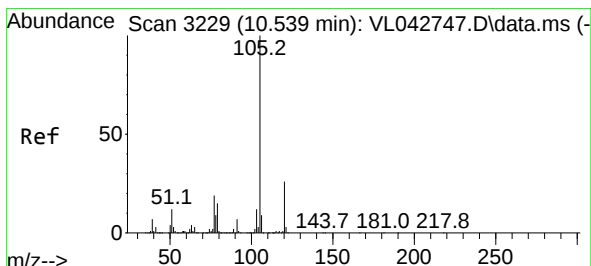
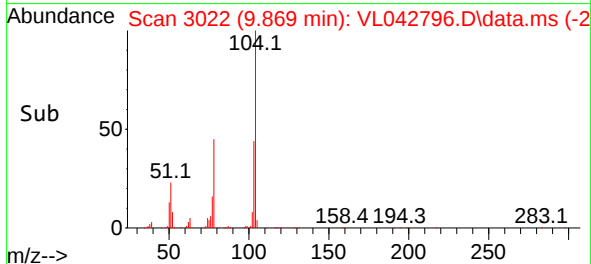
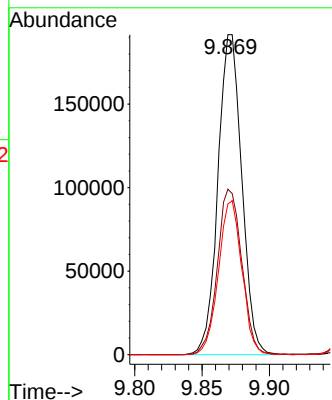
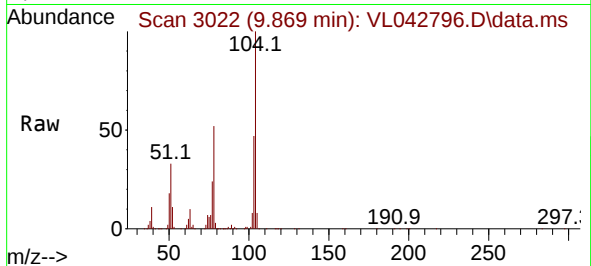




#61  
Styrene  
Concen: 11.699 ppbv  
RT: 9.869 min Scan# 3022  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

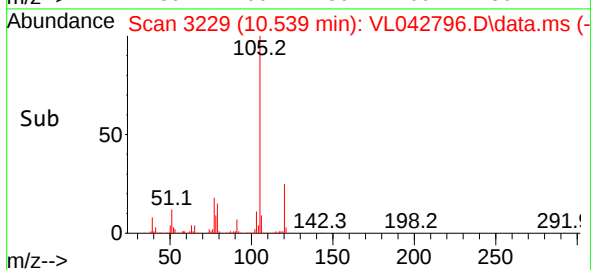
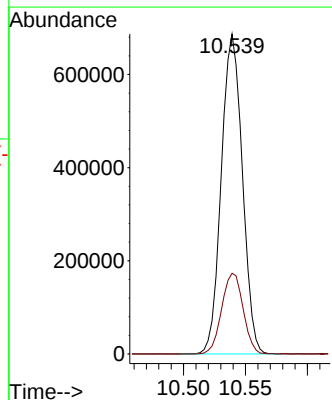
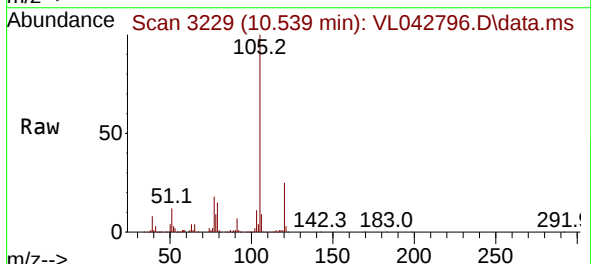
Instrument :  
MSVOA\_L  
ClientSampleId :

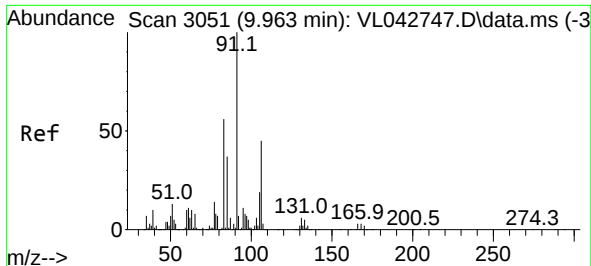
Tgt Ion:104 Resp: 235848  
Ion Ratio Lower Upper  
104 100  
78 52.9 41.5 62.3  
103 47.3 37.5 56.3



#62  
Isopropylbenzene  
Concen: 11.505 ppbv  
RT: 10.539 min Scan# 3229  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion:105 Resp: 813285  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.5 30.7





#63

1,1,2,2-Tetrachloroethane

Concen: 10.647 ppbv

RT: 9.963 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

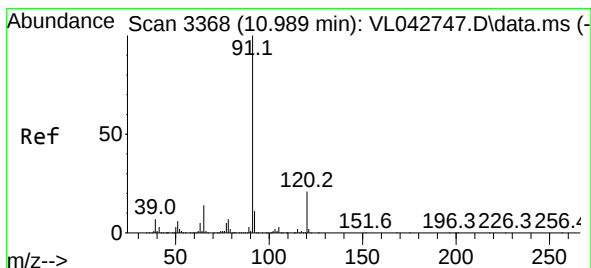
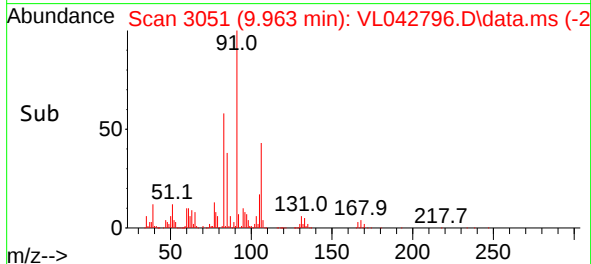
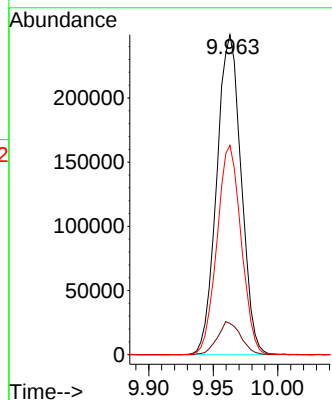
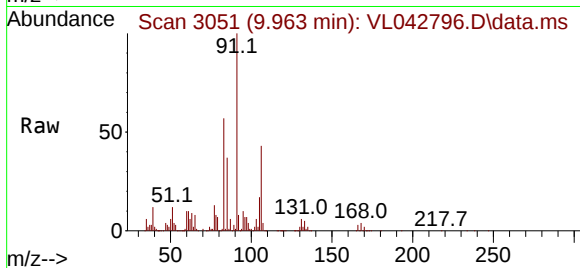
Tgt Ion: 83 Resp: 327594

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

85 64.8 32.6 97.7



#64

n-propylbenzene

Concen: 11.553 ppbv

RT: 10.989 min Scan# 3368

Delta R.T. 0.000 min

Lab File: VL042796.D

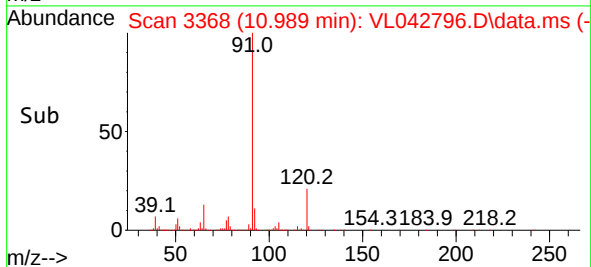
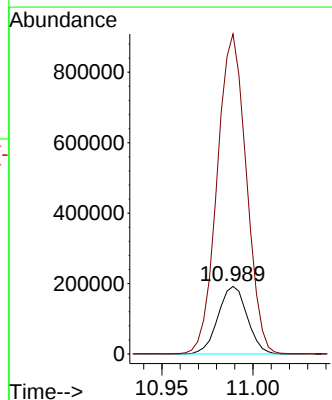
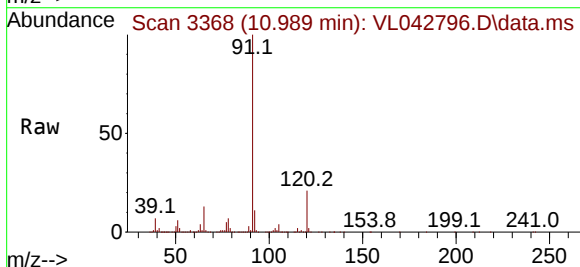
Acq: 04 Aug 2025 09:31

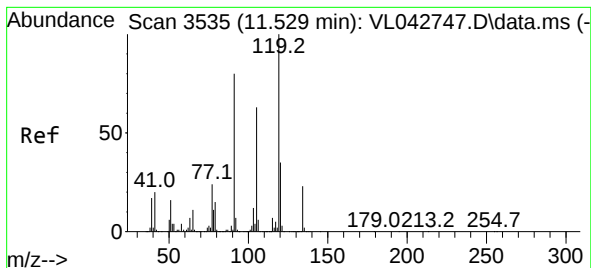
Tgt Ion: 120 Resp: 212922

Ion Ratio Lower Upper

120 100

91 474.8 372.7 559.1

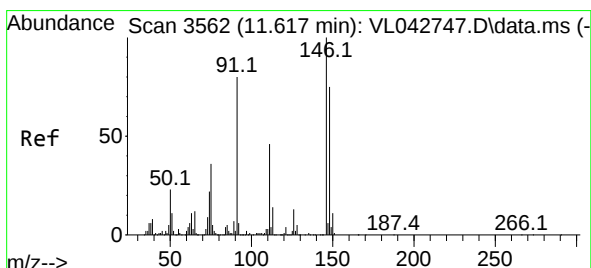
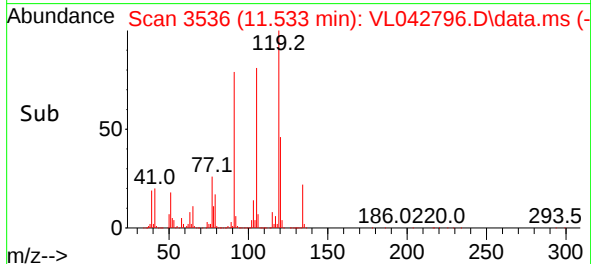
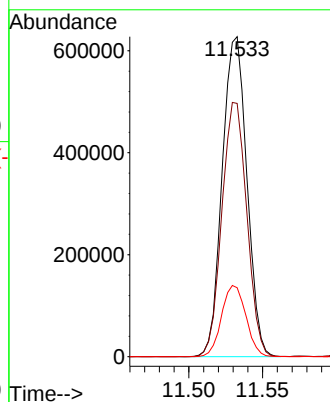
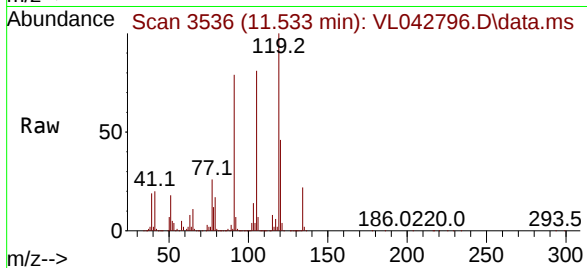




#65  
tert-Butylbenzene  
Concen: 11.633 ppbv  
RT: 11.533 min Scan# 3536  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

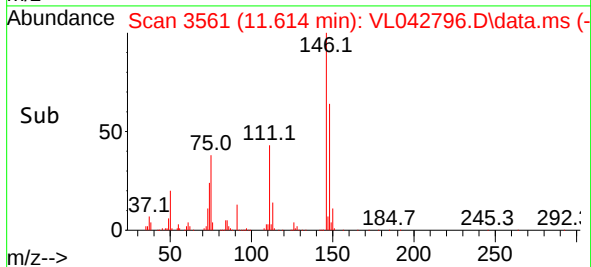
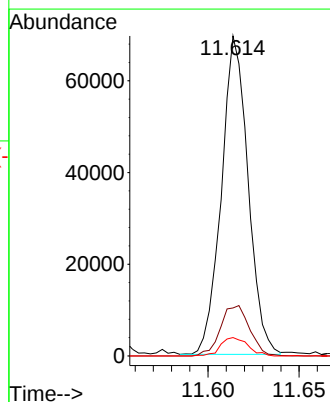
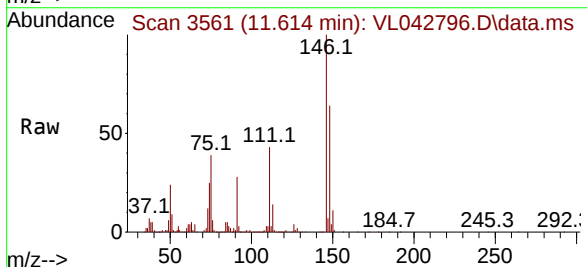
Instrument :  
MSVOA\_L  
ClientSampleId :

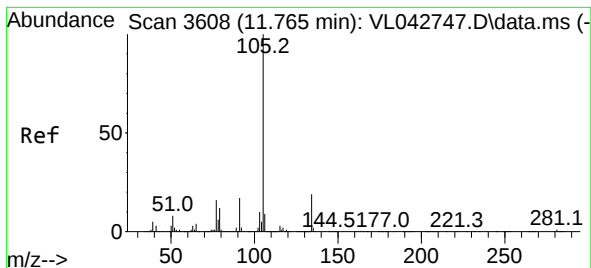
Tgt Ion:119 Resp: 730489  
Ion Ratio Lower Upper  
119 100  
91 80.3 64.0 96.0  
134 22.0 17.3 25.9



#66  
Benzyl Chloride  
Concen: 13.694 ppbv  
RT: 11.614 min Scan# 3561  
Delta R.T. -0.003 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion: 91 Resp: 70588  
Ion Ratio Lower Upper  
91 100  
126 17.3 14.4 21.6  
128 6.0 5.2 7.8





#67

sec-Butylbenzene

Concen: 11.365 ppbv

RT: 11.769 min Scan# 3609

Delta R.T. 0.004 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

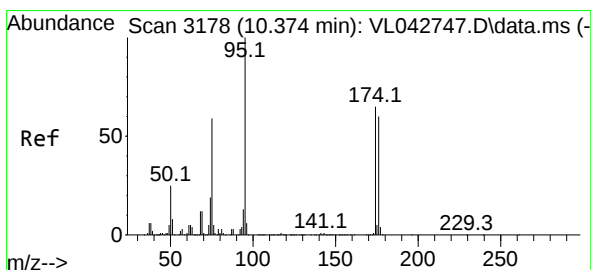
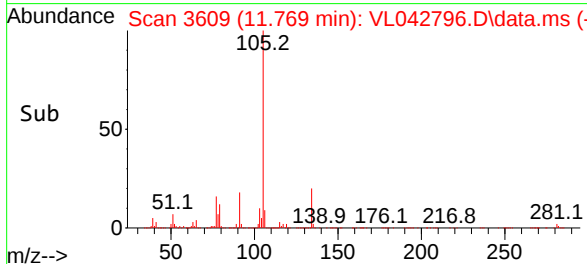
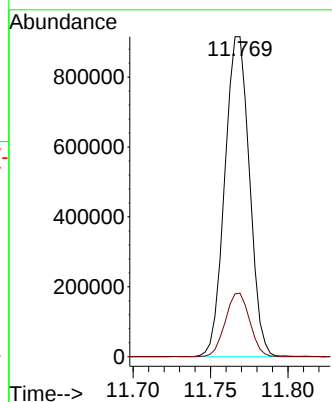
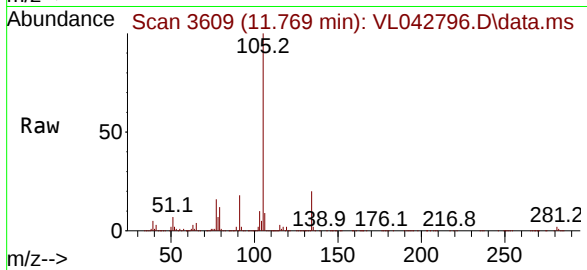
ClientSampleId :

Tgt Ion:105 Resp: 1015003

Ion Ratio Lower Upper

105 100

134 19.7 15.5 23.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.307 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

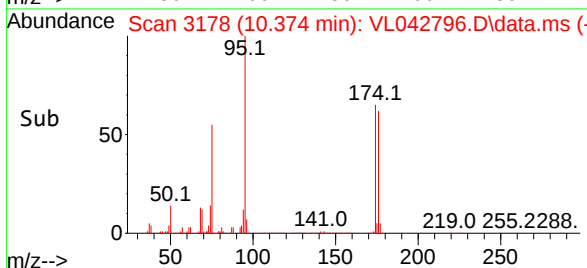
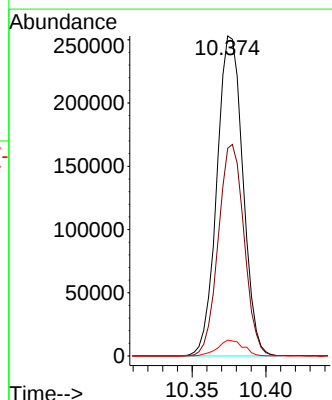
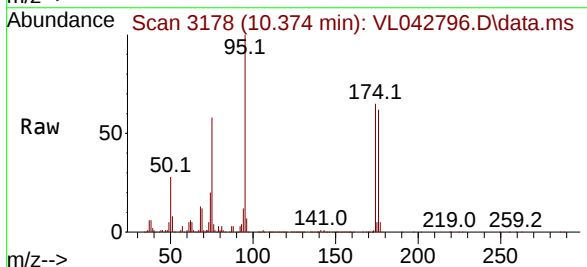
Tgt Ion: 95 Resp: 310203

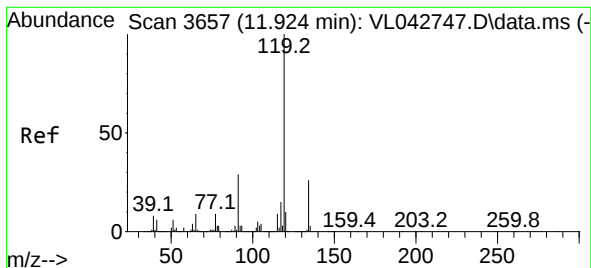
Ion Ratio Lower Upper

95 100

174 65.7 53.8 80.6

175 5.0 4.0 6.0





#69

p-Isopropyltoluene

Concen: 12.023 ppbv

RT: 11.924 min Scan# 3657

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

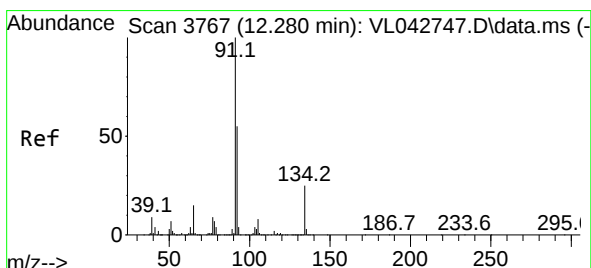
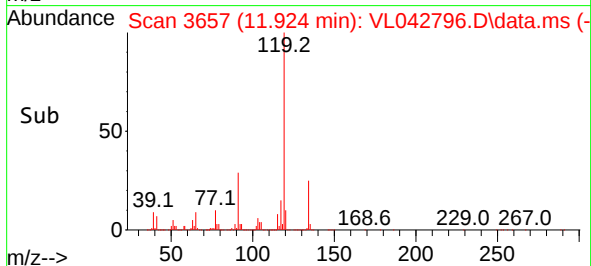
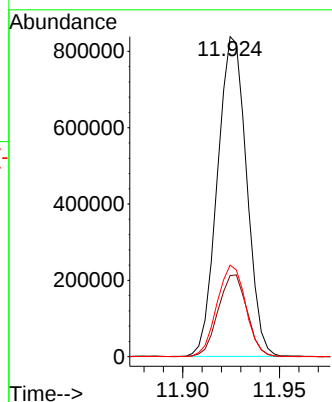
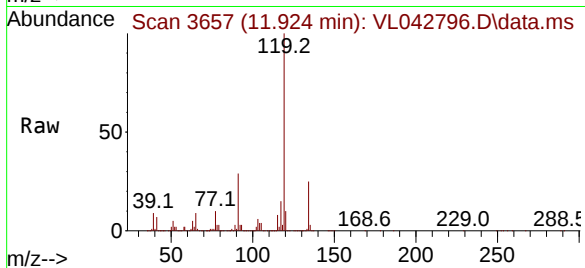
Tgt Ion:119 Resp: 875506

Ion Ratio Lower Upper

119 100

134 25.5 20.6 31.0

91 28.4 23.2 34.8



#70

n-Butylbenzene

Concen: 12.546 ppbv

RT: 12.280 min Scan# 3767

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

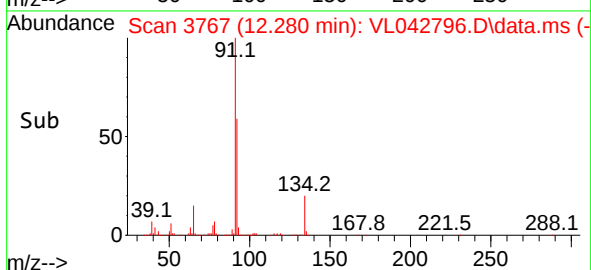
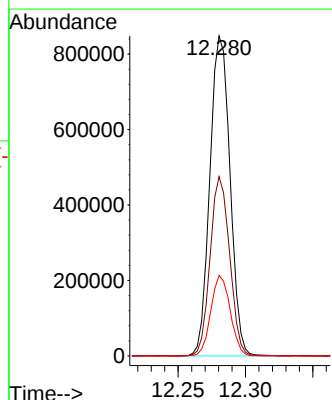
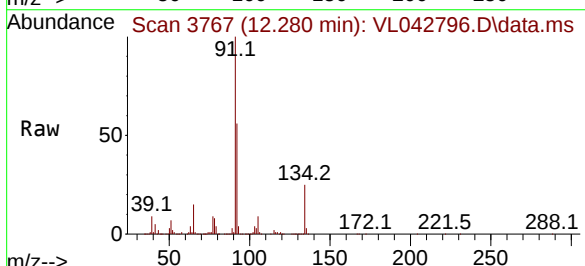
Tgt Ion: 91 Resp: 882533

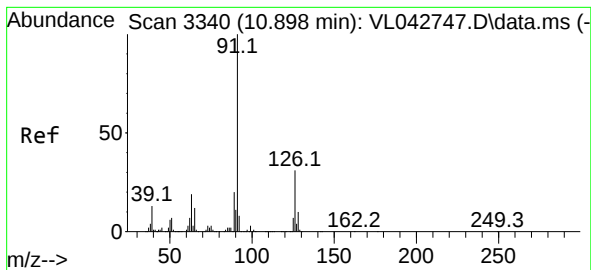
Ion Ratio Lower Upper

91 100

92 54.3 43.4 65.2

134 24.2 19.6 29.4

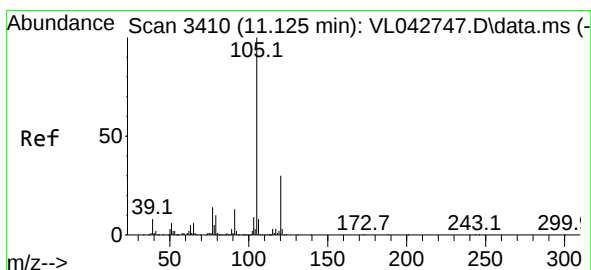
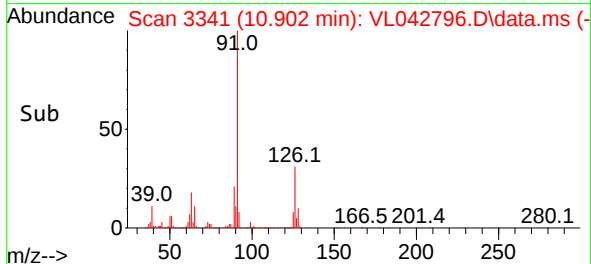
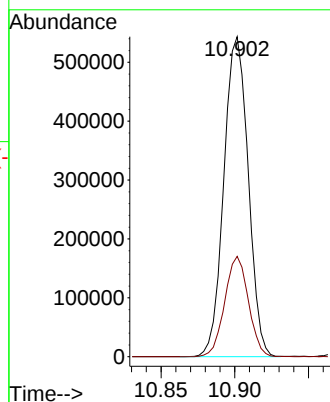
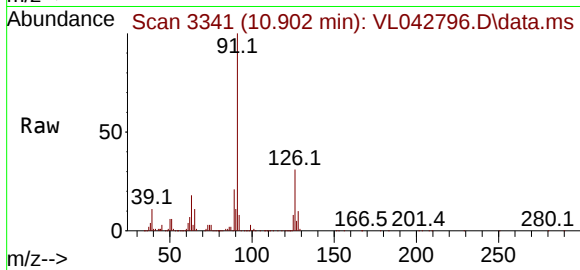




#71  
2-Chlorotoluene  
Concen: 11.499 ppbv  
RT: 10.902 min Scan# 3341  
Delta R.T. 0.004 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

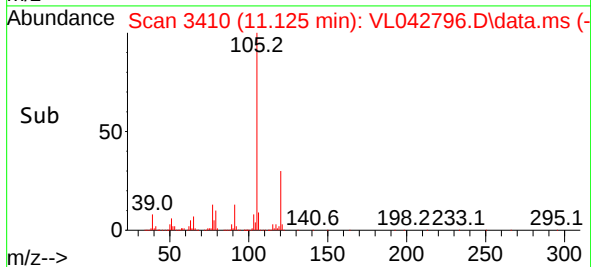
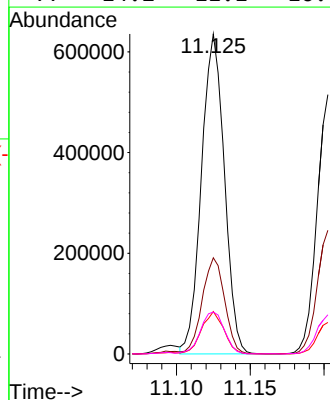
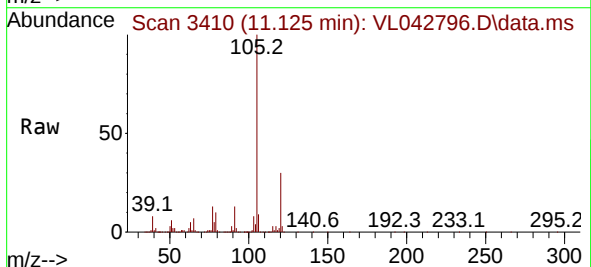
Instrument :  
MSVOA\_L  
ClientSampleId :

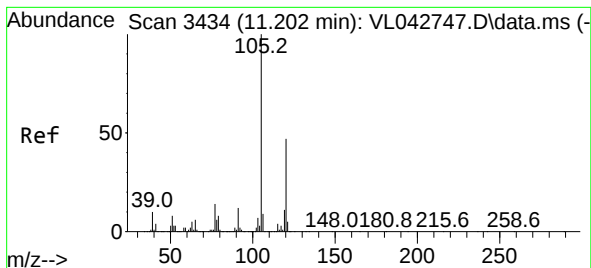
Tgt Ion: 91 Resp: 623268  
Ion Ratio Lower Upper  
91 100  
126 30.5 12.0 48.2



#72  
4-Ethyltoluene  
Concen: 11.973 ppbv  
RT: 11.125 min Scan# 3410  
Delta R.T. 0.000 min  
Lab File: VL042796.D  
Acq: 04 Aug 2025 09:31

Tgt Ion:105 Resp: 685255  
Ion Ratio Lower Upper  
105 100  
120 30.2 24.4 36.6  
91 13.3 10.6 15.8  
77 14.2 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 12.142 ppbv

RT: 11.203 min Scan# 3434

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

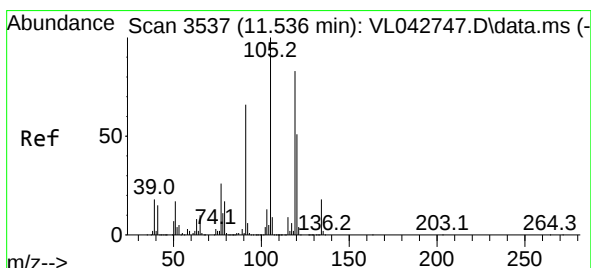
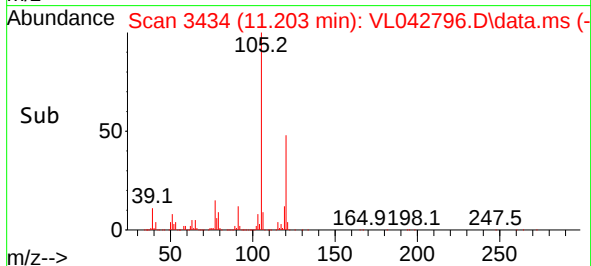
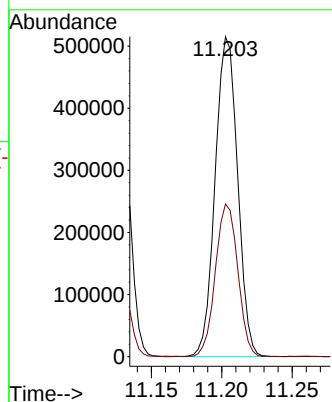
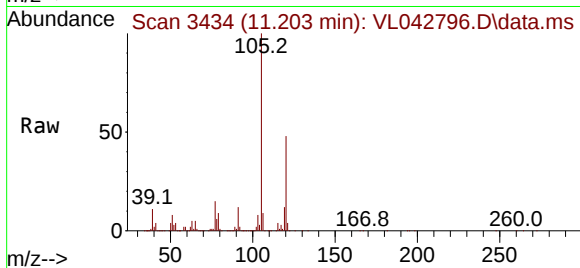
ClientSampleId :

Tgt Ion:105 Resp: 572173

Ion Ratio Lower Upper

105 100

120 47.6 37.8 56.8



#74

1,2,4-Trimethylbenzene

Concen: 12.358 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Tgt Ion:105 Resp: 635314

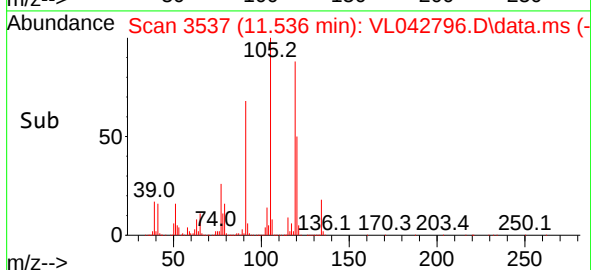
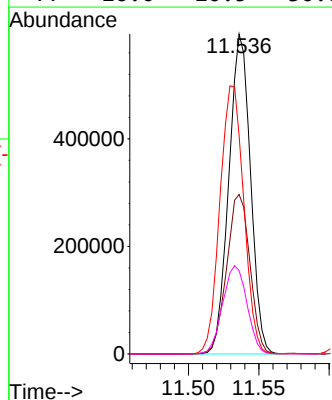
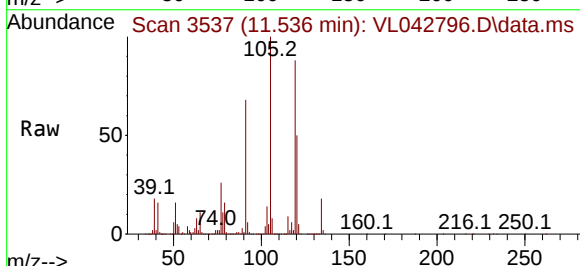
Ion Ratio Lower Upper

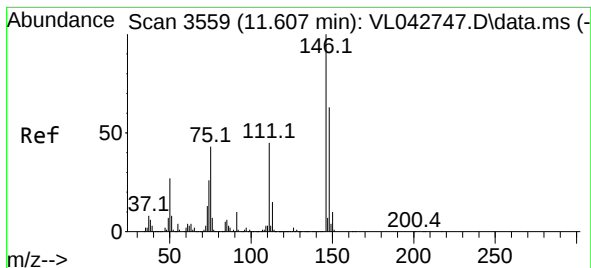
105 100

120 49.9 40.8 61.2

91 68.4 53.0 79.4

77 26.0 20.5 30.7





#75

1,3-Dichlorobenzene

Concen: 11.441 ppbv

RT: 11.607 min Scan# 3559

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

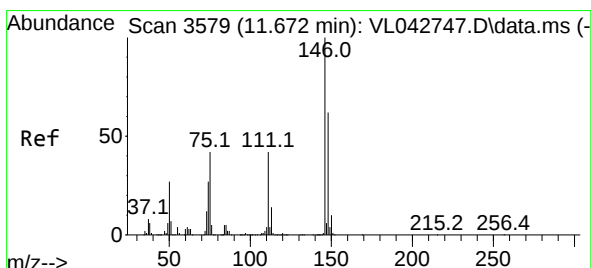
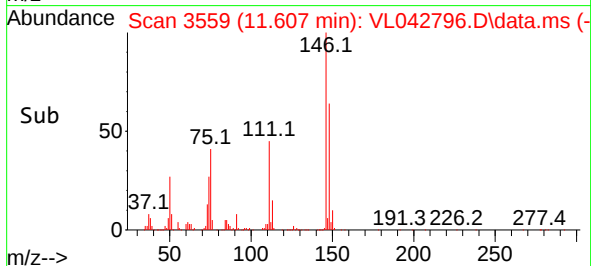
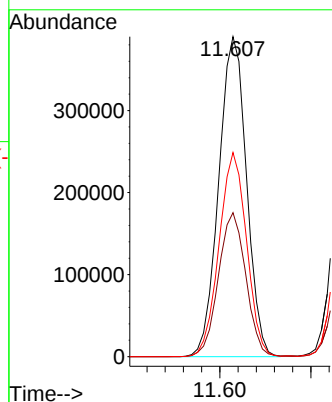
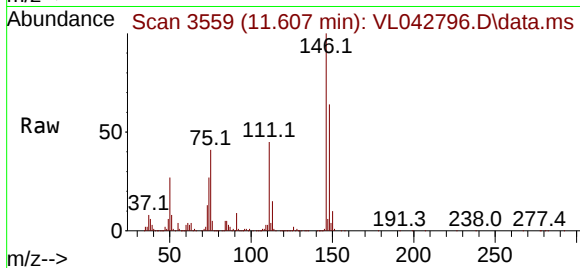
Tgt Ion:146 Resp: 412343

Ion Ratio Lower Upper

146 100

111 44.5 22.7 68.0

148 63.3 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.679 ppbv

RT: 11.672 min Scan# 3579

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

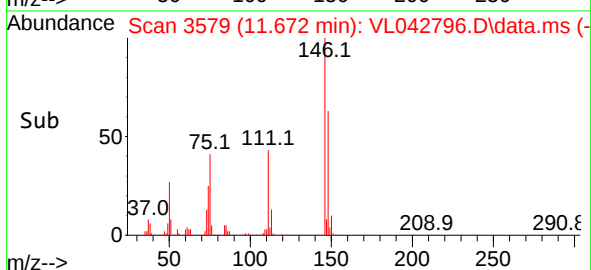
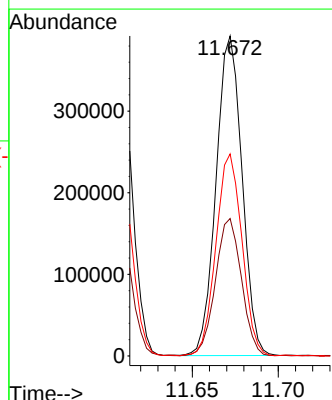
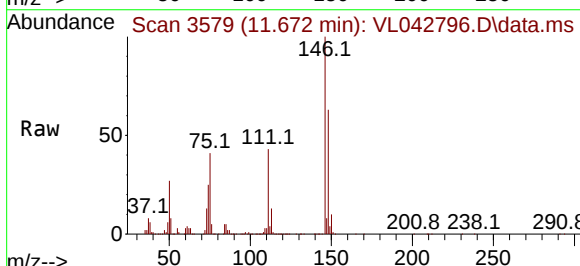
Tgt Ion:146 Resp: 411896

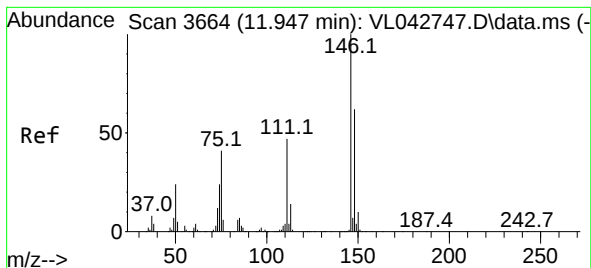
Ion Ratio Lower Upper

146 100

111 43.3 21.4 64.2

148 63.6 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 11.104 ppbv

RT: 11.947 min Scan# 3

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

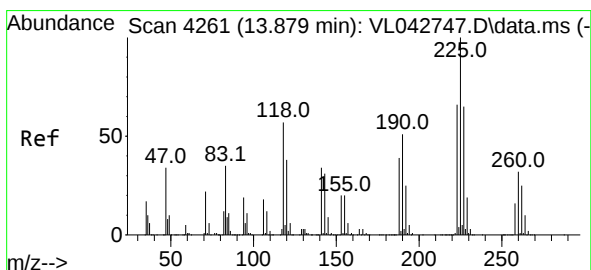
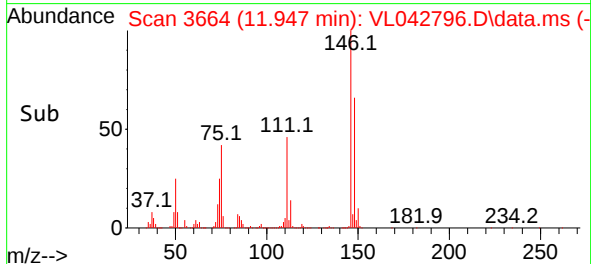
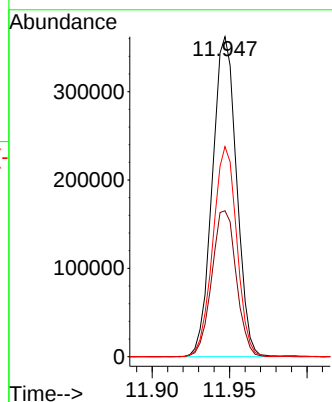
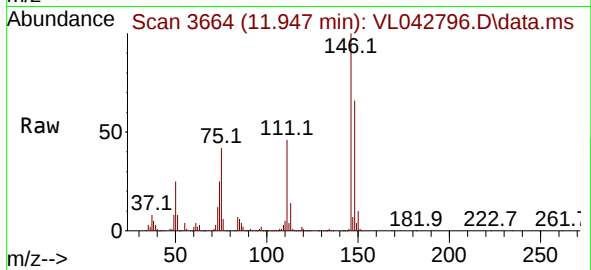
Tgt Ion:146 Resp: 393333

Ion Ratio Lower Upper

146 100

111 46.5 23.7 71.1

148 64.9 32.6 97.7



#78

Hexachloro-1,3-Butadiene

Concen: 9.905 ppbv

RT: 13.879 min Scan# 4261

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

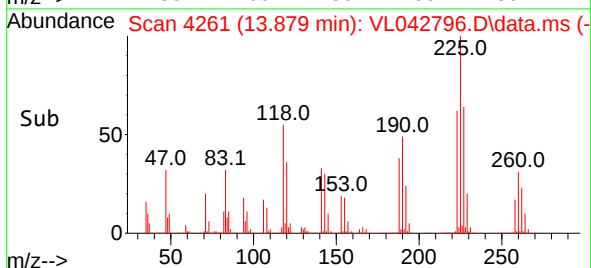
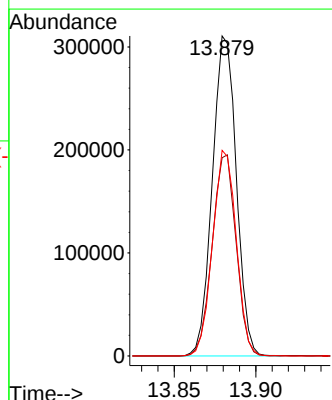
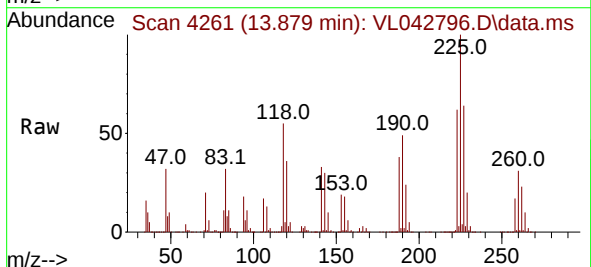
Tgt Ion:225 Resp: 317563

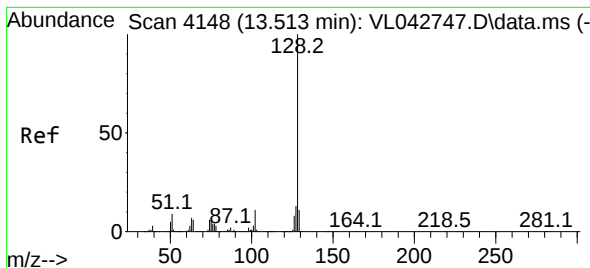
Ion Ratio Lower Upper

225 100

223 62.7 50.7 76.1

227 63.6 50.5 75.7





#79

Naphthalene

Concen: 10.889 ppbv

RT: 13.514 min Scan# 4148

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :

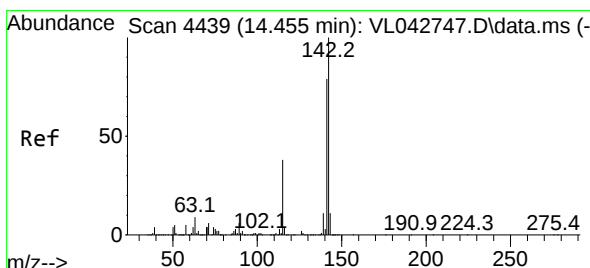
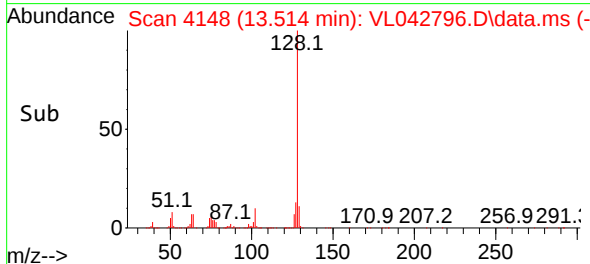
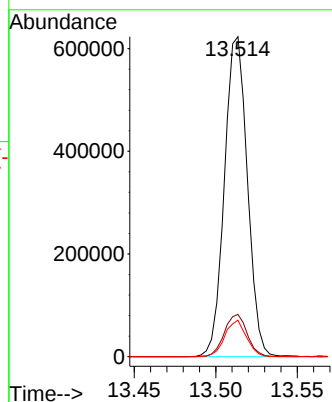
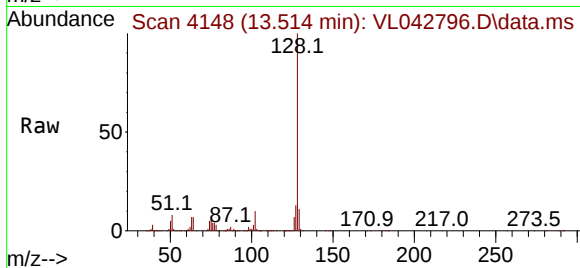
Tgt Ion:128 Resp: 609718

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 11.4 8.6 13.0



#80

Naphthalene,2-methyl-

Concen: 8.684 ppbv

RT: 14.455 min Scan# 4439

Delta R.T. 0.000 min

Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

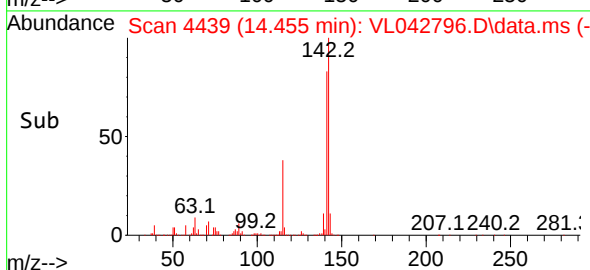
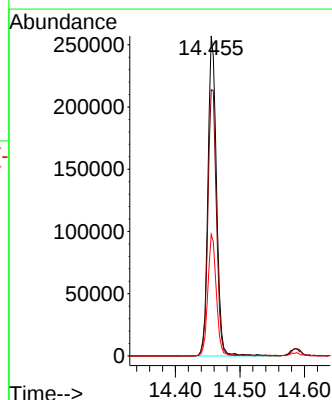
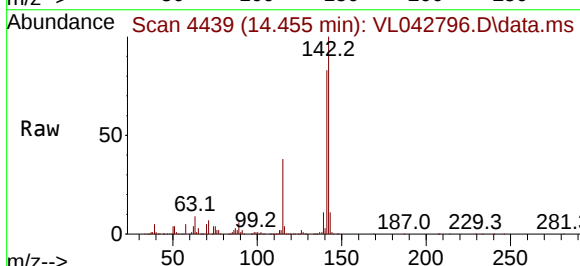
Tgt Ion:142 Resp: 237582

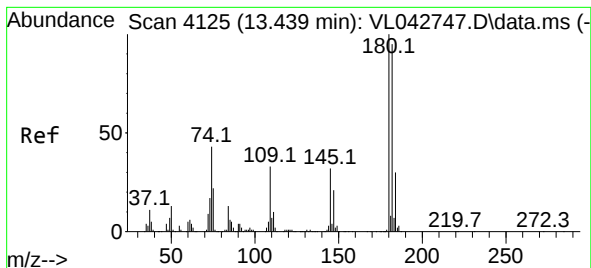
Ion Ratio Lower Upper

142 100

141 84.0 65.8 98.8

115 38.0 31.2 46.8





#81

1,2,4-Trichlorobenzene

Concen: 10.915 ppbv

RT: 13.439 min Scan# 41

Delta R.T. 0.000 min

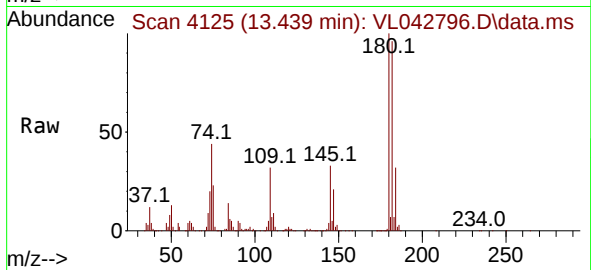
Lab File: VL042796.D

Acq: 04 Aug 2025 09:31

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 343523

Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 30.7 24.8 37.2

