

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100225\  
 Data File : VL043037.D  
 Acq On : 02 Oct 2025 13:07  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Quant Time: Oct 03 08:05:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Oct 03 07:59:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Bromochloromethane         | 2.774  | 49    | 172214   | 10.000    | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.939  | 114   | 493591   | 10.000    | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.862  | 117   | 408184   | 10.000    | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.361 | 95    | 280877   | 9.552     | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery  | =      | 95.500%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.492  | 85    | 1061     | 0.037     | ppbv   | 99       |
| 3) Chlorodifluoromethane      | 1.874  | 51    | 245      | 0.009     | ppbv   | 92       |
| 4) Chloromethane              | 1.528  | 50    | 512      | 0.048     | ppbv # | 88       |
| 5) Vinyl Chloride             | 1.573  | 62    | 296      | 0.029     | ppbv # | 78       |
| 6) Bromomethane               | 1.661  | 94    | 191      | 0.042     | ppbv   | 86       |
| 7) Chloroethane               | 1.700  | 64    | 233      | 0.055     | ppbv # | 64       |
| 8) Dichlorotetrafluoroethane  | 1.551  | 85    | 949      | 0.040     | ppbv   | 90       |
| 9) Propene                    | 1.479  | 41    | 630      | 0.056     | ppbv # | 43       |
| 10) Heptane                   | 4.959  | 43    | 443      | 0.016     | ppbv # | 27       |
| 11) Trichlorofluoromethane    | 2.133  | 101   | 978      | 0.033     | ppbv   | 92       |
| 12) 1,1,2-Trichlorotrifluo... | 2.133  | 101   | 978      | 0.042     | ppbv   | 89       |
| 13) Ethanol                   | 1.878  | 45    | 506      | Below Cal | #      | 31       |
| 14) Bromoethene               | 1.774  | 108   | 365      | 0.043     | ppbv # | 55       |
| 15) Acetone                   | 1.832  | 43    | 2209     | 0.092     | ppbv # | 79       |
| 16) 1,3-Butadiene             | 1.606  | 39    | 462      | 0.046     | ppbv # | 11       |
| 17) tert-Butyl alcohol        | 2.036  | 59    | 1112     | 0.044     | ppbv # | 75       |
| 18) 1,1-Dichloroethene        | 2.327  | 96    | 678      | 0.066     | ppbv   | 80       |
| 19) Isopropyl Alcohol         | 1.878  | 45    | 506      | 0.044     | ppbv # | 37       |
| 20) Methylene Chloride        | 2.056  | 84    | 2803     | 0.266     | ppbv   | 94       |
| 21) Allyl Chloride            | 2.088  | 41    | 900      | 0.058     | ppbv # | 82       |
| 22) trans-1,2-Dichloroethene  | 2.327  | 96    | 678      | 0.058     | ppbv   | 92       |
| 23) Vinyl Acetate             | 2.454  | 43    | 375      | 0.073     | ppbv # | 8        |
| 24) 1,1-Dichloroethane        | 2.399  | 63    | 1145     | 0.052     | ppbv # | 87       |
| 25) Ethyl Acetate             | 2.829  | 43    | 1850     | 0.031     | ppbv # | 86       |
| 26) Hexane                    | 2.813  | 57    | 434      | 0.019     | ppbv # | 1        |
| 27) Carbon Disulfide          | 2.143  | 76    | 1019     | 0.037     | ppbv # | 1        |
| 28) Methyl tert-Butyl Ether   | 2.434  | 73    | 654      | 0.045     | ppbv # | 86       |
| 29) Chloroform                | 2.839  | 83    | 1489     | 0.038     | ppbv # | 74       |
| 30) Cyclohexane               | 3.842  | 84    | 125      | 0.007     | ppbv # | 1        |
| 31) cis-1,2-Dichloroethene    | 2.327  | 61    | 830      | 0.035     | ppbv   | 92       |
| 32) 1,1,1-Trichloroethane     | 3.353  | 97    | 1104     | 0.029     | ppbv # | 79       |
| 34) 2-Butanone                | 2.551  | 43    | 1532     | 0.046     | ppbv   | 94       |
| 35) Carbon Tetrachloride      | 3.748  | 117   | 1004     | 0.025     | ppbv # | 57       |
| 36) Benzene                   | 3.635  | 78    | 780      | 0.017     | ppbv # | 93       |
| 37) 1,2-Dichloroethane        | 3.205  | 62    | 781      | 0.028     | ppbv # | 80       |
| 38) Trichloroethene           | 4.525  | 130   | 221      | 0.011     | ppbv # | 57       |
| 39) 1,2-Dichloropropane       | 3.936  | 63    | 124375   | 7.115     | ppbv # | 21       |
| 40) 1,4-Dioxane               | 4.593  | 88    | 73       | 0.010     | ppbv # | 40       |
| 41) Tetrahydrofuran           | 3.059  | 42    | 523      | 0.030     | ppbv # | 83       |
| 42) Bromodichloromethane      | 4.464  | 83    | 1445     | 0.037     | ppbv # | 80       |
| 43) Methyl Methacrylate       | 4.859  | 69    | 315      | 0.020     | ppbv # | 64       |
| 44) 2,2,4-Trimethylpentane    | 4.613  | 57    | 888      | 0.012     | ppbv # | 1        |
| 45) t-1,3-Dichloropropene     | 6.389  | 75    | 190      | 0.013     | ppbv # | 85       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL100225\  
 Data File : VL043037.D  
 Acq On : 02 Oct 2025 13:07  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

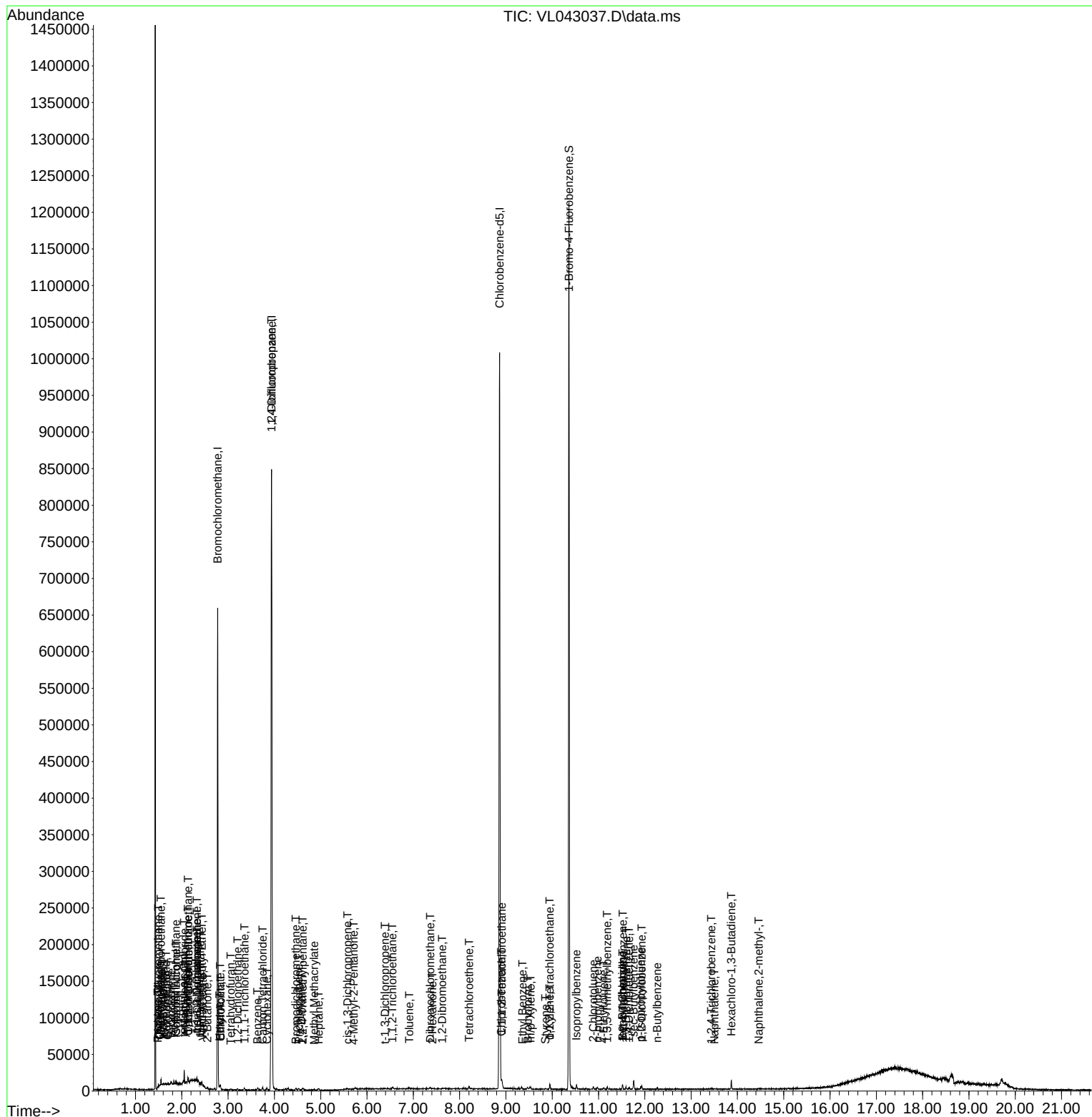
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

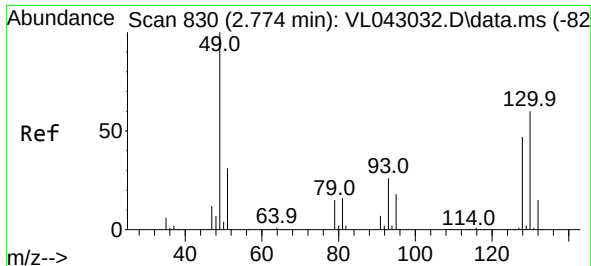
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Oct 03 07:59:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 46) cis-1,3-Dichloropropene   | 5.577  | 75   | 177      | 0.009 | ppbv  | #        | 80 |
| 47) 1,1,2-Trichloroethane     | 6.548  | 97   | 319      | 0.016 | ppbv  | #        | 75 |
| 48) Dibromochloromethane      | 7.367  | 129  | 260      | 0.008 | ppbv  | #        | 1  |
| 49) Bromoform                 | 9.471  | 173  | 756      | 0.029 | ppbv  | #        | 89 |
| 50) 4-Methyl-2-Pentanone      | 5.713  | 43   | 52       | 0.001 | ppbv  | #        | 39 |
| 51) 2-Hexanone                | 7.415  | 43   | 40       | 0.001 | ppbv  | #        | 29 |
| 52) Tetrachloroethene         | 8.205  | 164  | 448      | 0.025 | ppbv  | #        | 6  |
| 53) Toluene                   | 6.911  | 91   | 546      | 0.011 | ppbv  | #        | 1  |
| 54) 1,2-Dibromoethane         | 7.626  | 107  | 337      | 0.015 | ppbv  | #        | 58 |
| 56) 1,1,1,2-Tetrachloroethane | 8.911  | 131  | 472      | 0.019 | ppbv  | #        | 1  |
| 57) Chlorobenzene             | 8.901  | 112  | 1331     | 0.031 | ppbv  | #        | 42 |
| 58) Ethyl Benzene             | 9.357  | 91   | 126      | 0.002 | ppbv  |          | 99 |
| 59) m/p-Xylene                | 9.535  | 91   | 686      | 0.013 | ppbv  | #        | 30 |
| 60) o-Xylene                  | 9.947  | 91   | 1271     | 0.024 | ppbv  |          | 97 |
| 61) Styrene                   | 9.853  | 104  | 205      | 0.009 | ppbv  | #        | 1  |
| 62) Isopropylbenzene          | 10.523 | 105  | 1227     | 0.015 | ppbv  | #        | 70 |
| 63) 1,1,2,2-Tetrachloroethane | 9.947  | 83   | 1322     | 0.035 | ppbv  |          | 96 |
| 64) n-propylbenzene           | 10.979 | 120  | 89       | 0.004 | ppbv  | #        | 1  |
| 65) tert-Butylbenzene         | 11.516 | 119  | 1416     | 0.020 | ppbv  | #        | 83 |
| 66) Benzyl Chloride           | 11.520 | 91   | 871      | 0.310 | ppbv  | #        | 69 |
| 67) sec-Butylbenzene          | 11.756 | 105  | 1780     | 0.018 | ppbv  | #        | 88 |
| 69) p-Isopropyltoluene        | 11.911 | 119  | 1493     | 0.018 | ppbv  | #        | 91 |
| 70) n-Butylbenzene            | 12.267 | 91   | 1002     | 0.013 | ppbv  |          | 98 |
| 71) 2-Chlorotoluene           | 10.888 | 91   | 1542     | 0.026 | ppbv  |          | 87 |
| 72) 4-Ethyltoluene            | 11.108 | 105  | 746      | 0.012 | ppbv  | #        | 74 |
| 73) 1,3,5-Trimethylbenzene    | 11.189 | 105  | 1128     | 0.021 | ppbv  | #        | 68 |
| 74) 1,2,4-Trimethylbenzene    | 11.526 | 105  | 568      | 0.009 | ppbv  | #        | 70 |
| 75) 1,3-Dichlorobenzene       | 11.597 | 146  | 823      | 0.020 | ppbv  |          | 93 |
| 76) 1,4-Dichlorobenzene       | 11.659 | 146  | 493      | 0.013 | ppbv  | #        | 53 |
| 77) 1,2-Dichlorobenzene       | 11.934 | 146  | 996      | 0.025 | ppbv  |          | 93 |
| 78) Hexachloro-1,3-Butadiene  | 13.869 | 225  | 1038     | 0.037 | ppbv  |          | 93 |
| 79) Naphthalene               | 13.504 | 128  | 431      | 0.243 | ppbv  | #        | 86 |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 411      | 0.678 | ppbv  |          | 91 |
| 81) 1,2,4-Trichlorobenzene    | 13.436 | 180  | 102      | 0.004 | ppbv  | #        | 29 |

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

Quant Time: Oct 03 08:05:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL100225AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri Oct 03 07:59:23 2025  
Response via : Initial Calibration

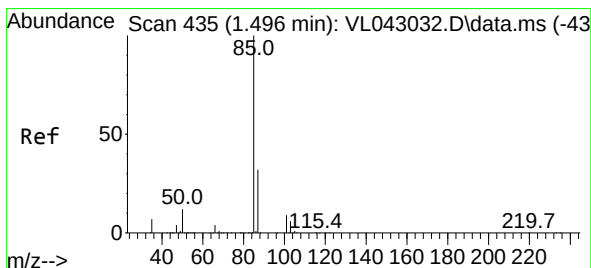
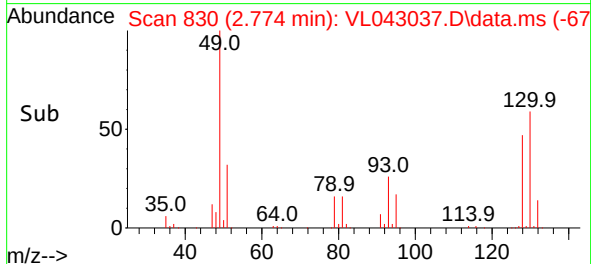
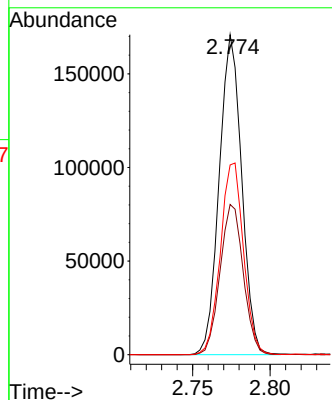
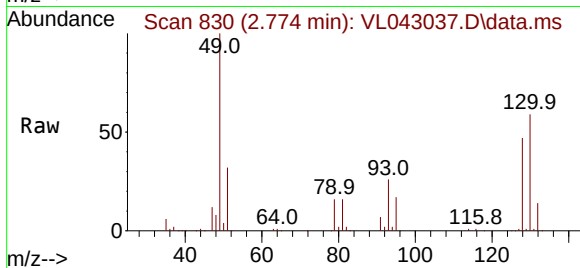




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.774 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

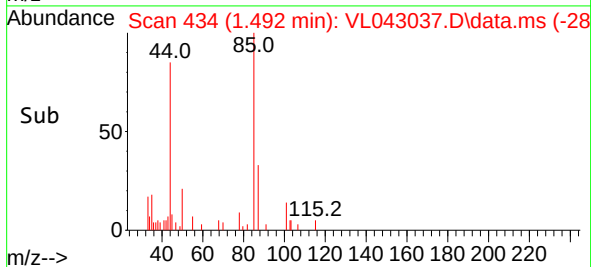
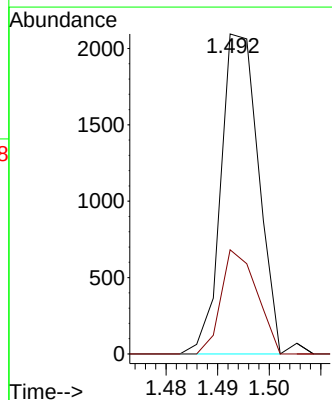
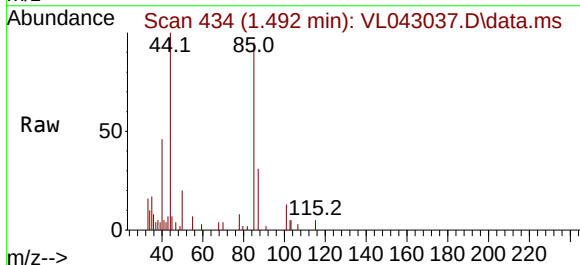
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

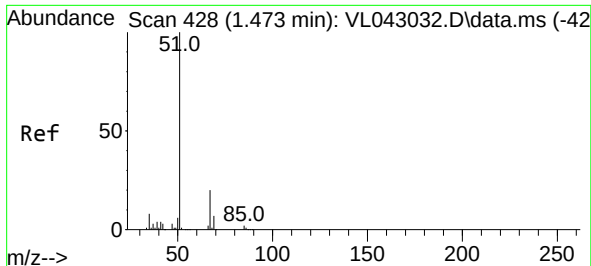
Tgt Ion: 49 Resp: 172214  
 Ion Ratio Lower Upper  
 49 100  
 128 48.6 24.1 72.2  
 130 61.9 31.4 94.3



#2  
 Dichlorodifluoromethane  
 Concen: 0.037 ppbv  
 RT: 1.492 min Scan# 434  
 Delta R.T. -0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 85 Resp: 1061  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 25.8 38.6

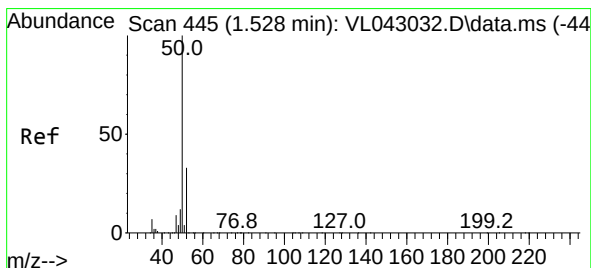
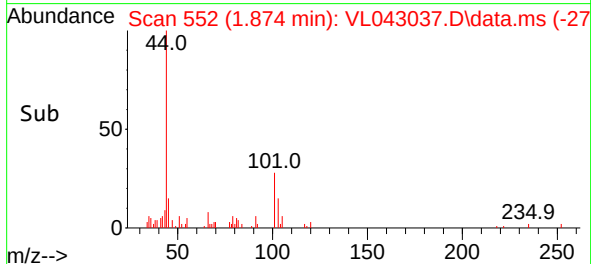
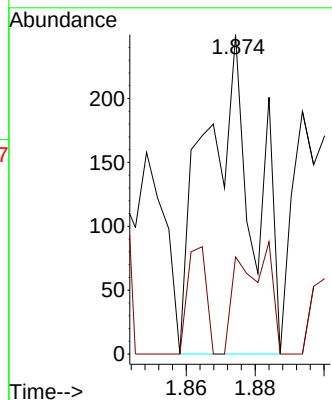
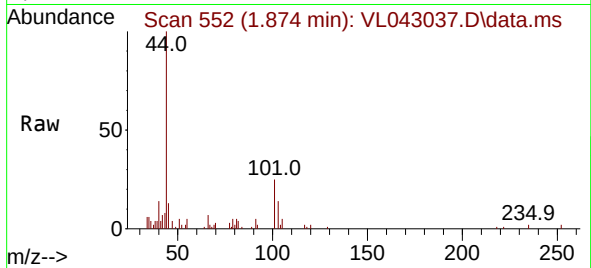




#3  
Chlorodifluoromethane  
Concen: 0.009 ppbv  
RT: 1.874 min Scan# 51  
Delta R.T. 0.401 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

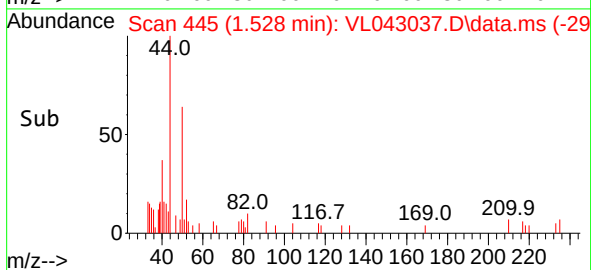
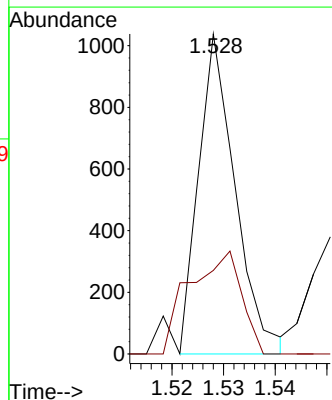
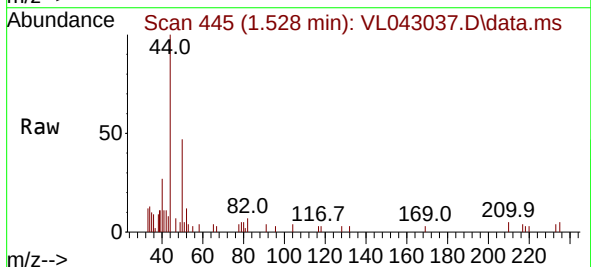
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

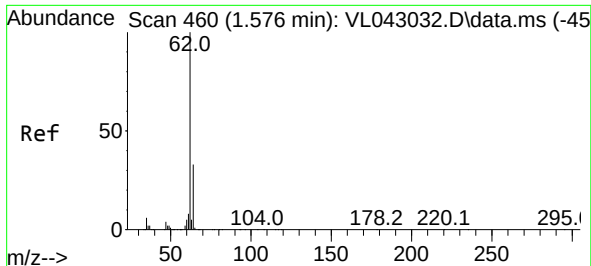
Tgt Ion: 51 Resp: 245  
Ion Ratio Lower Upper  
51 100  
67 22.4 15.1 22.7



#4  
Chloromethane  
Concen: 0.048 ppbv  
RT: 1.528 min Scan# 445  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 50 Resp: 512  
Ion Ratio Lower Upper  
50 100  
52 26.1 26.2 39.2#

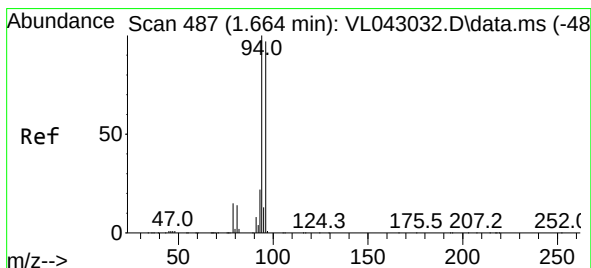
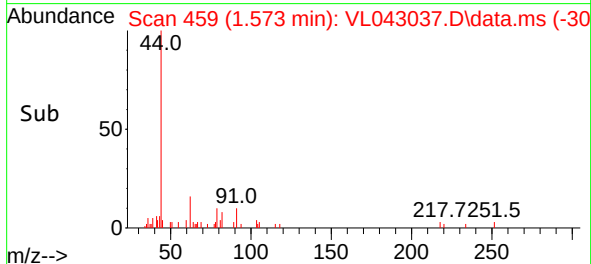
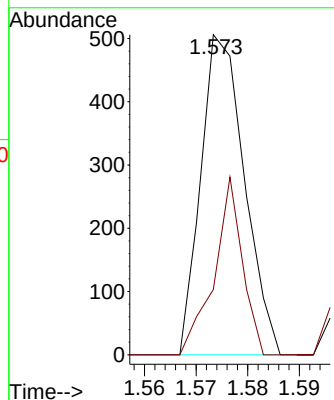
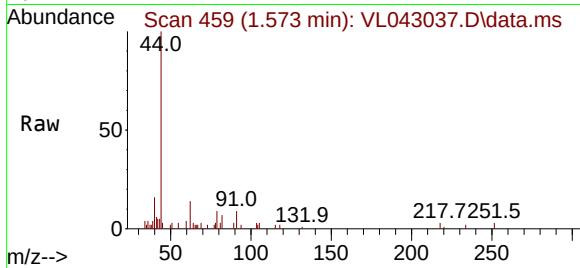




#5  
 Vinyl Chloride  
 Concen: 0.029 ppbv  
 RT: 1.573 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

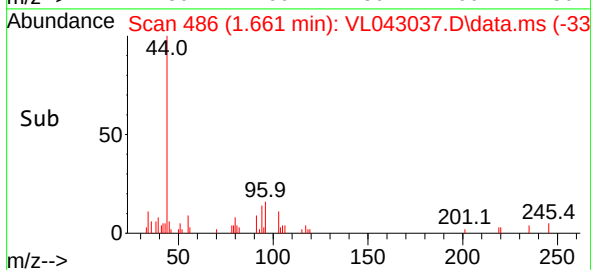
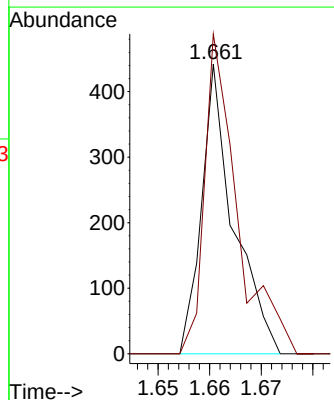
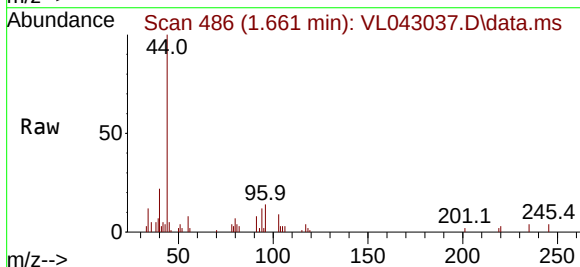
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

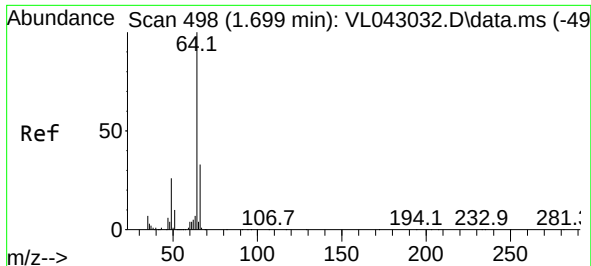
Tgt Ion: 62 Resp: 296  
 Ion Ratio Lower Upper  
 62 100  
 64 20.4 26.2 39.2#



#6  
 Bromomethane  
 Concen: 0.042 ppbv  
 RT: 1.661 min Scan# 486  
 Delta R.T. -0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 94 Resp: 191  
 Ion Ratio Lower Upper  
 94 100  
 96 110.4 77.6 116.4

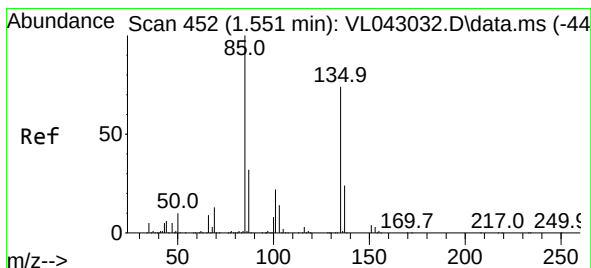
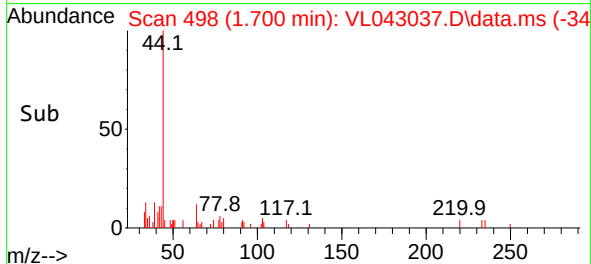
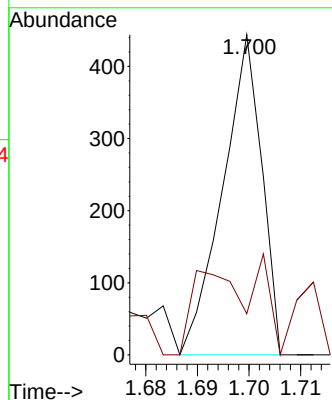
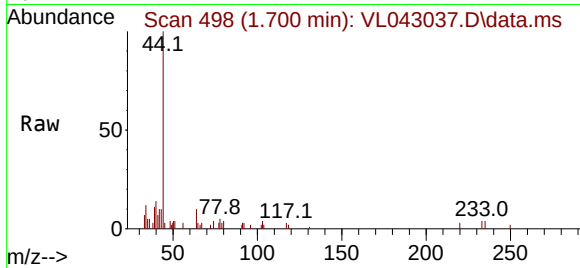




#7  
Chloroethane  
Concen: 0.055 ppbv  
RT: 1.700 min Scan# 498  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

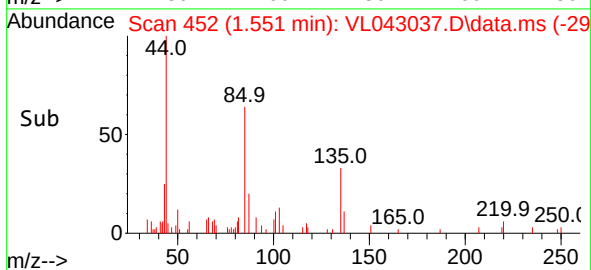
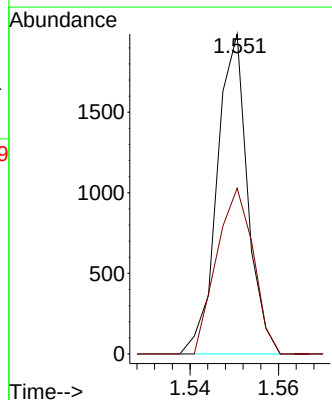
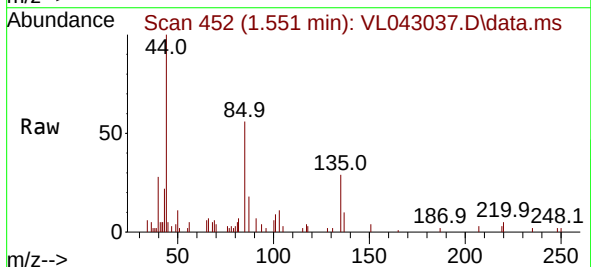
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

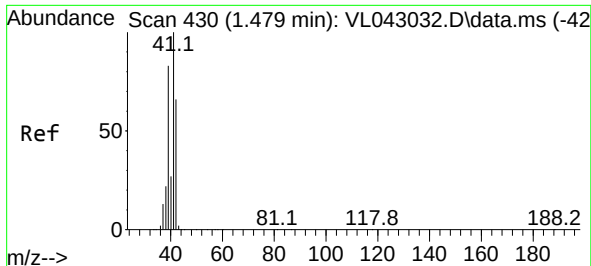
Tgt Ion: 64 Resp: 233  
Ion Ratio Lower Upper  
64 100  
66 12.8 26.6 39.8#



#8  
Dichlorotetrafluoroethane  
Concen: 0.040 ppbv  
RT: 1.551 min Scan# 452  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 85 Resp: 949  
Ion Ratio Lower Upper  
85 100  
135 62.5 56.3 84.5





#9

Propene

Concen: 0.056 ppbv

RT: 1.479 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

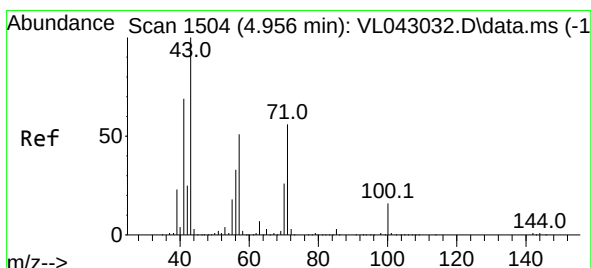
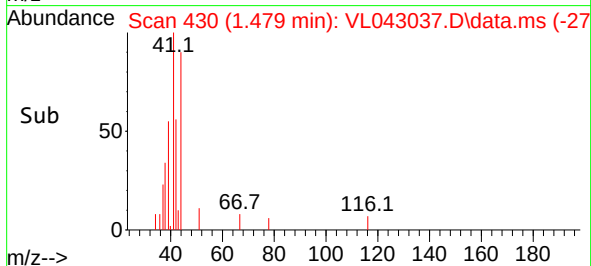
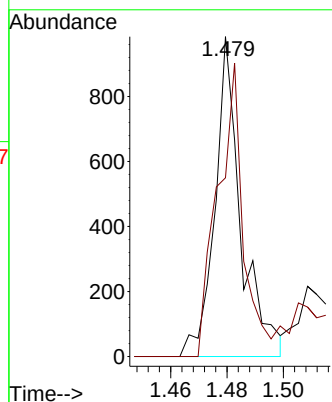
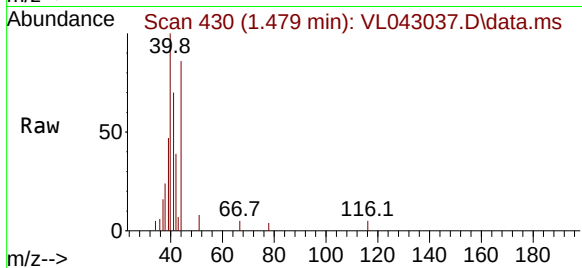
VSTDICC0.03

Tgt Ion: 41 Resp: 630

Ion Ratio Lower Upper

41 100

42 112.2 53.3 79.9#



#10

Heptane

Concen: 0.016 ppbv

RT: 4.959 min Scan# 1505

Delta R.T. 0.003 min

Lab File: VL043037.D

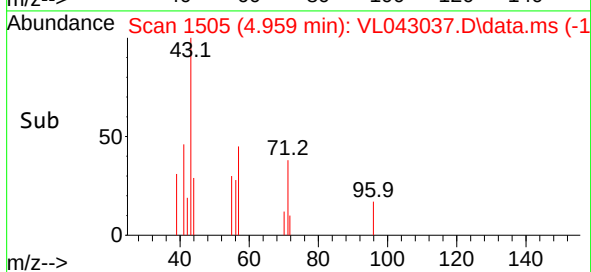
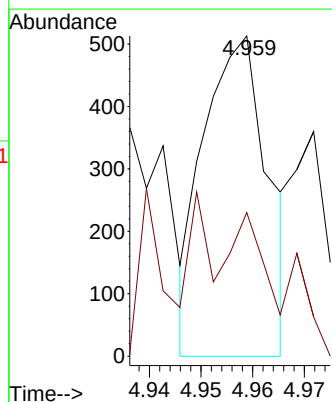
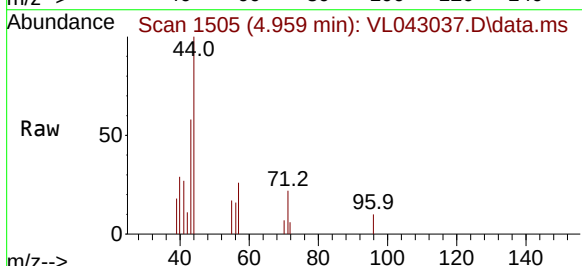
Acq: 02 Oct 2025 13:07

Tgt Ion: 43 Resp: 443

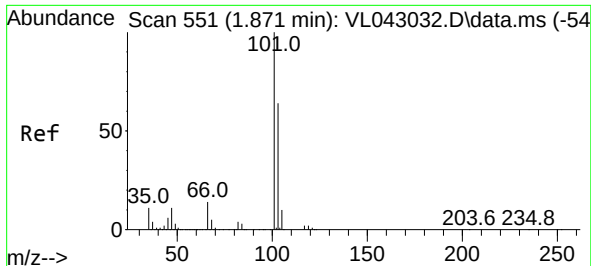
Ion Ratio Lower Upper

43 100

57 0.0 40.3 60.5#



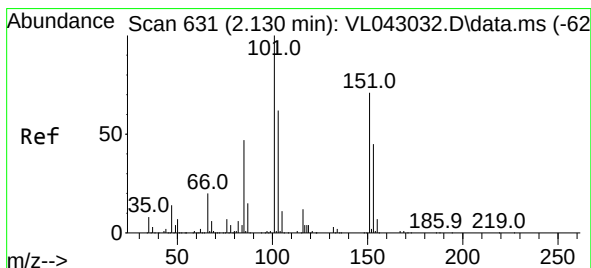
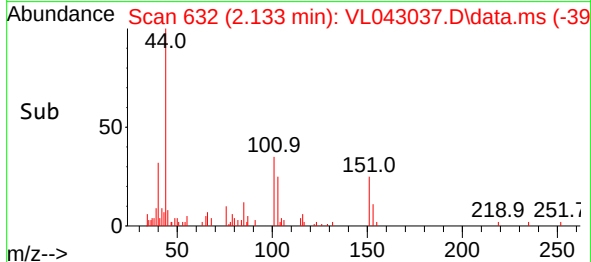
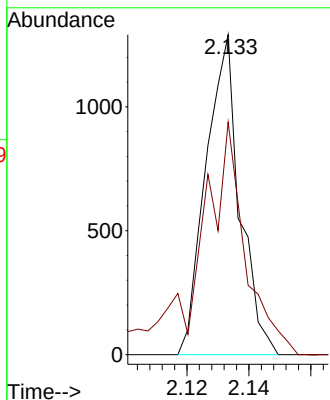
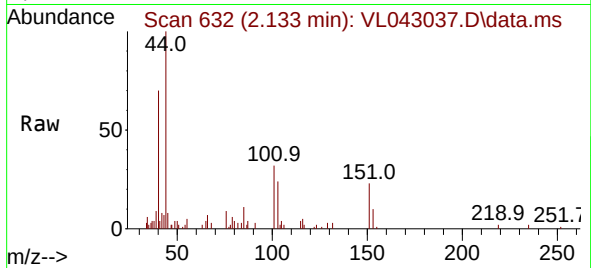




#11  
Trichlorofluoromethane  
Concen: 0.033 ppbv  
RT: 2.133 min Scan# 611  
Delta R.T. 0.262 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

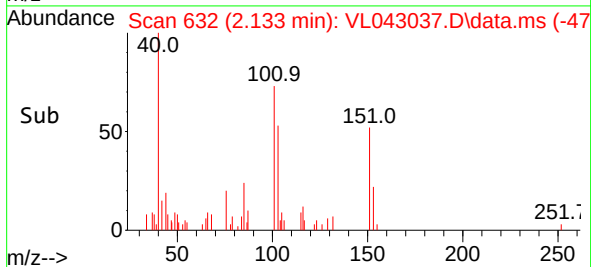
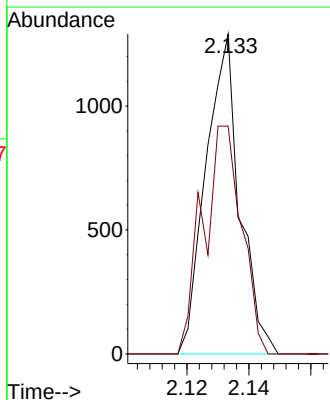
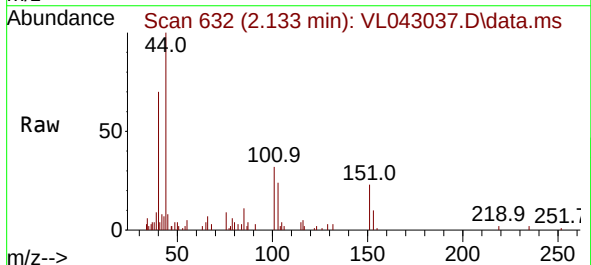
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

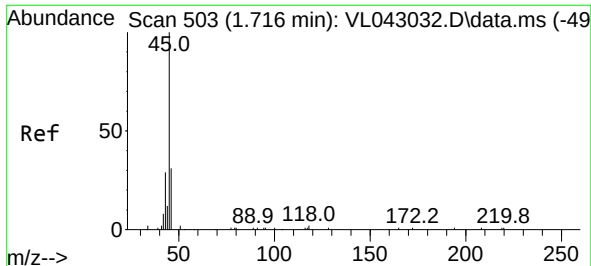
Tgt Ion:101 Resp: 978  
Ion Ratio Lower Upper  
101 100  
103 57.9 51.1 76.7



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.042 ppbv  
RT: 2.133 min Scan# 632  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion:101 Resp: 978  
Ion Ratio Lower Upper  
101 100  
151 81.7 58.1 87.1

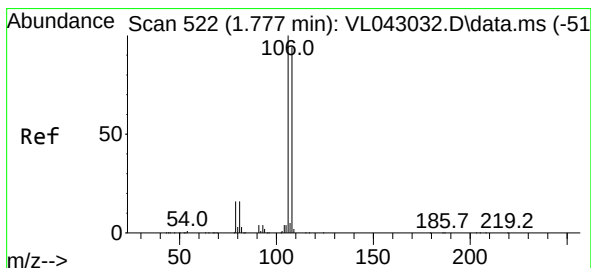
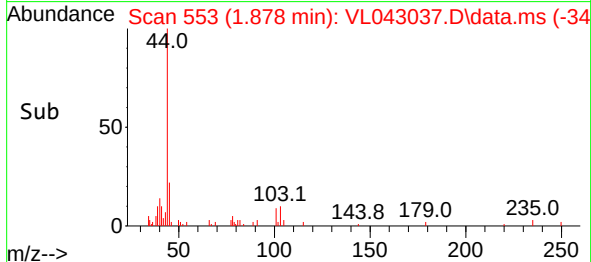
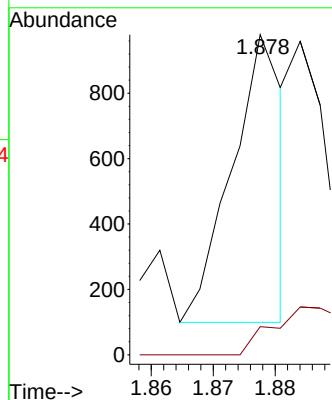
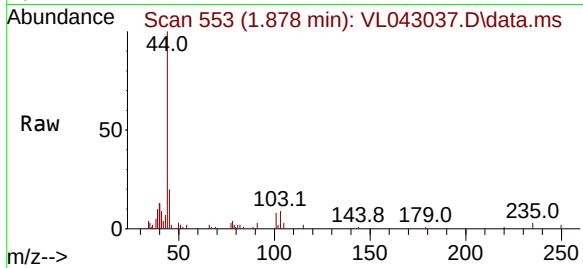




#13  
Ethanol  
Concen: Below Cal  
RT: 1.878 min Scan# 51  
Delta R.T. 0.162 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

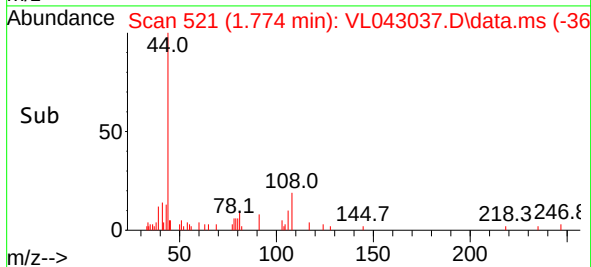
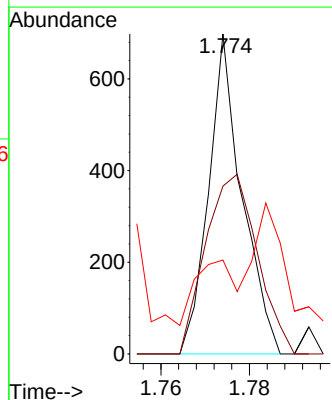
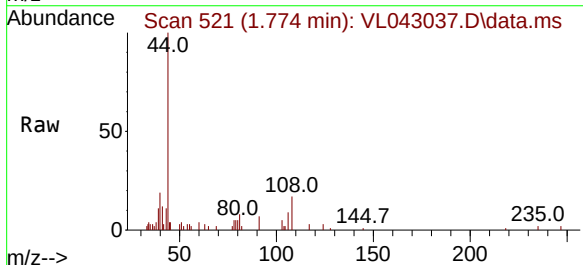
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

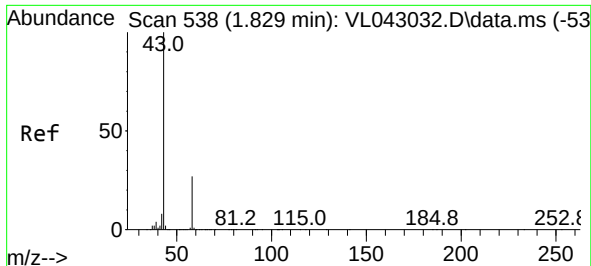
Tgt Ion: 45 Resp: 506  
Ion Ratio Lower Upper  
45 100  
46 0.0 17.8 71.4#



#14  
Bromoethene  
Concen: 0.043 ppbv  
RT: 1.774 min Scan# 521  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion:108 Resp: 365  
Ion Ratio Lower Upper  
108 100  
106 87.1 85.2 127.8  
79 105.2 14.8 22.2#

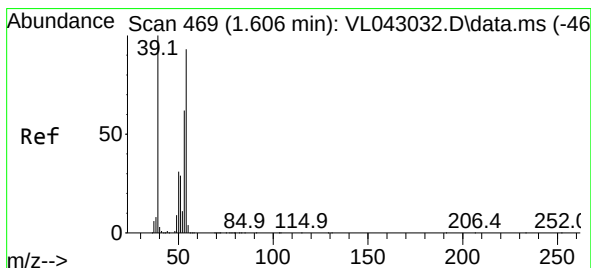
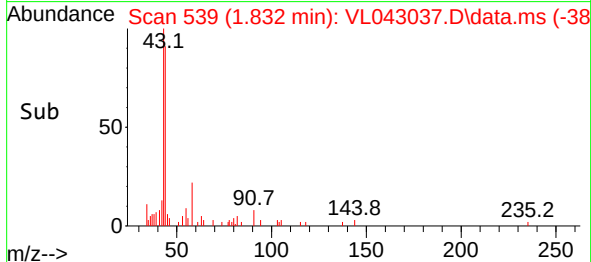
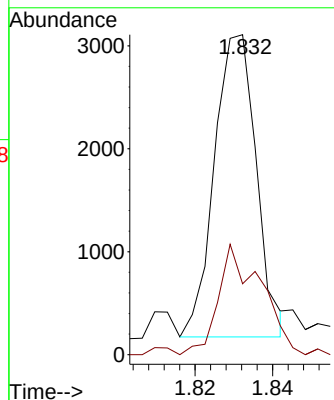
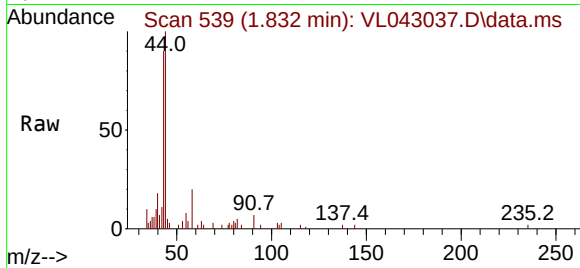




#15  
Acetone  
Concen: 0.092 ppbv  
RT: 1.832 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

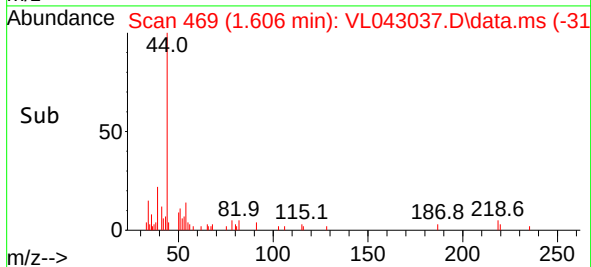
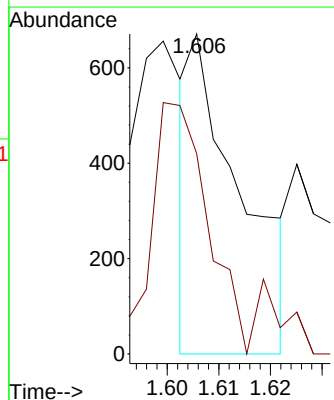
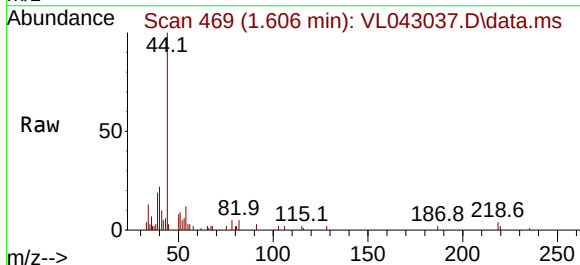
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MSVOA\_1  
ClientSampleId :  
VSTDIC0.03

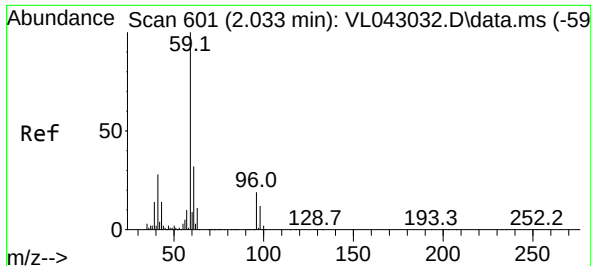
Tgt Ion: 43 Resp: 2209  
Ion Ratio Lower Upper  
43 100  
58 38.9 22.2 33.4#



#16  
1,3-Butadiene  
Concen: 0.046 ppbv  
RT: 1.606 min Scan# 469  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 39 Resp: 462  
Ion Ratio Lower Upper  
39 100  
54 0.0 61.4 92.2#





#17

tert-Butyl alcohol

Concen: 0.044 ppbv

RT: 2.036 min Scan# 601

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_1

ClientSampleId :

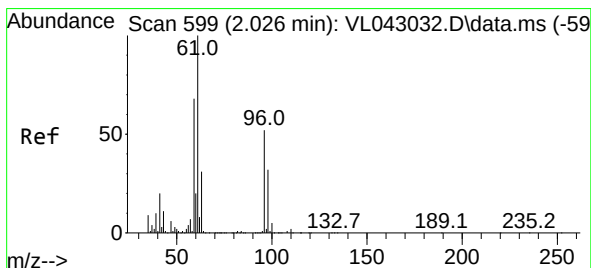
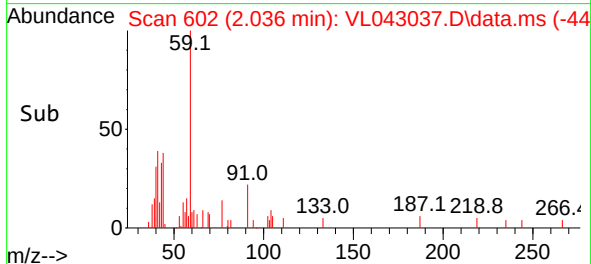
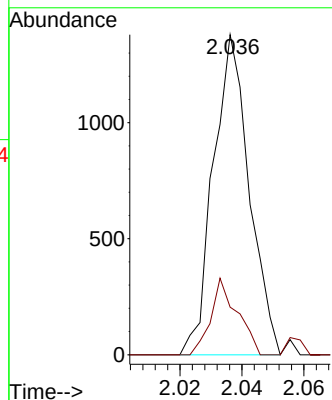
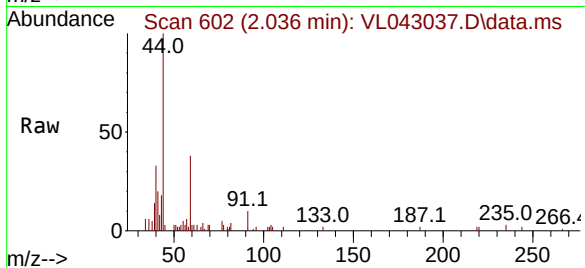
VSTDIC0.03

Tgt Ion: 59 Resp: 1112

Ion Ratio Lower Upper

59 100

57 20.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.066 ppbv

RT: 2.327 min Scan# 692

Delta R.T. 0.301 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

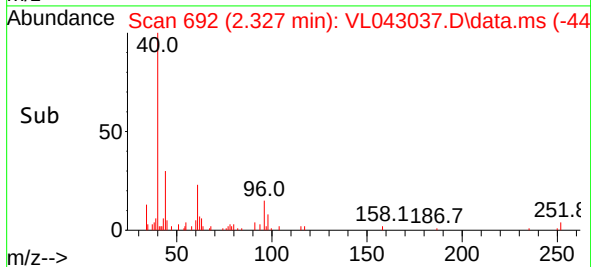
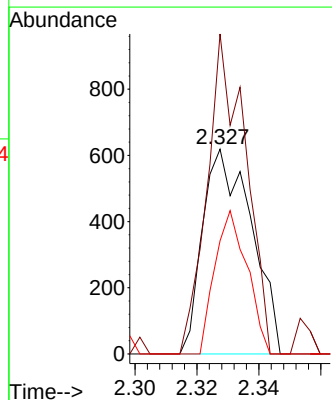
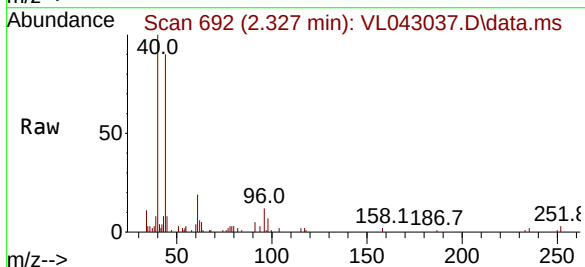
Tgt Ion: 96 Resp: 678

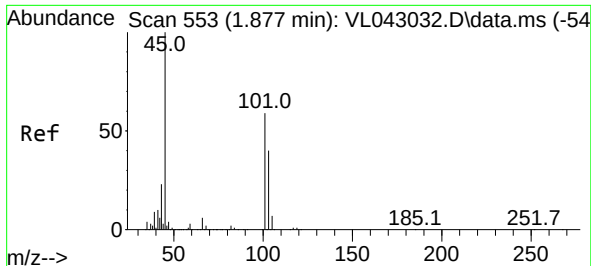
Ion Ratio Lower Upper

96 100

61 156.2 153.0 229.6

98 55.3 48.8 73.2

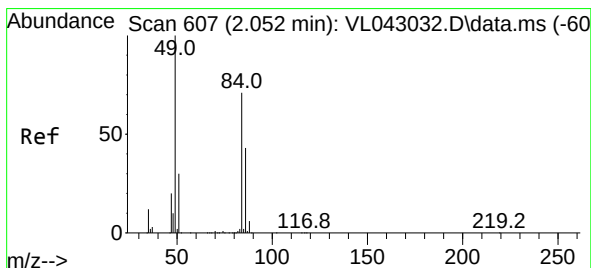
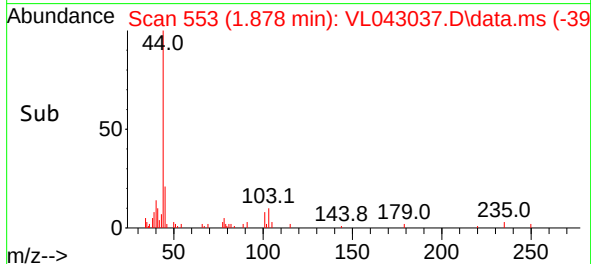
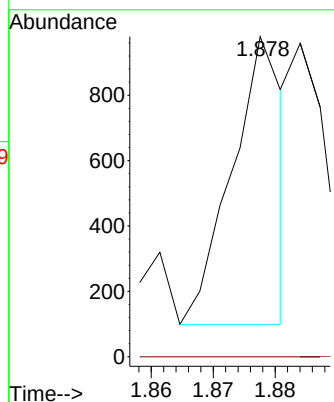
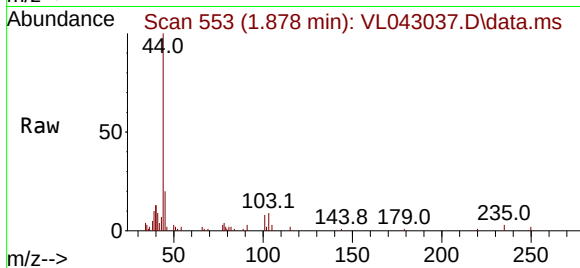




#19  
Isopropyl Alcohol  
Concen: 0.044 ppbv  
RT: 1.878 min Scan# 511  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

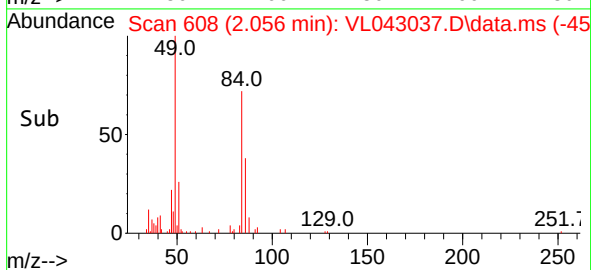
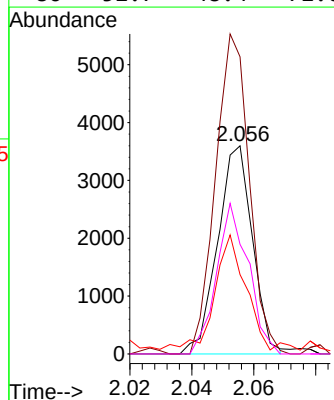
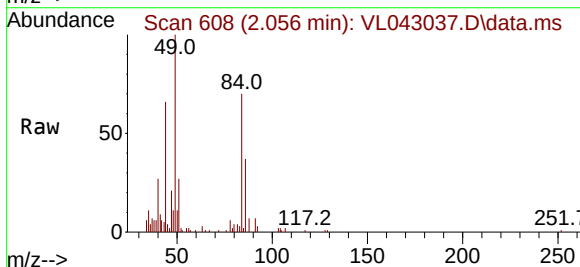
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

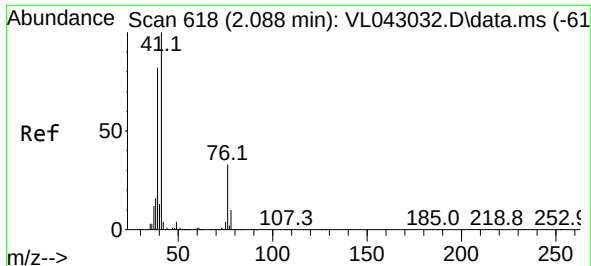
Tgt Ion: 45 Resp: 506  
Ion Ratio Lower Upper  
45 100  
58 8.3 42.3 63.5#



#20  
Methylene Chloride  
Concen: 0.266 ppbv  
RT: 2.056 min Scan# 608  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 84 Resp: 2803  
Ion Ratio Lower Upper  
84 100  
49 142.7 112.5 168.7  
51 34.7 34.2 51.2  
86 52.7 48.4 72.6

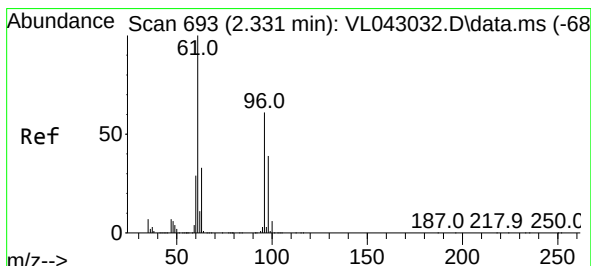
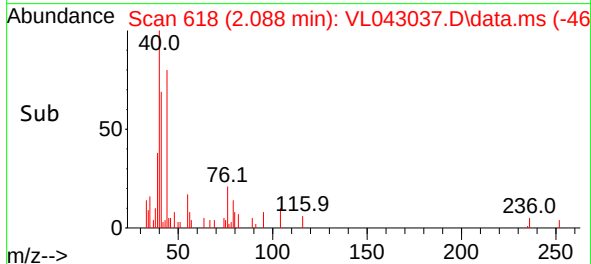
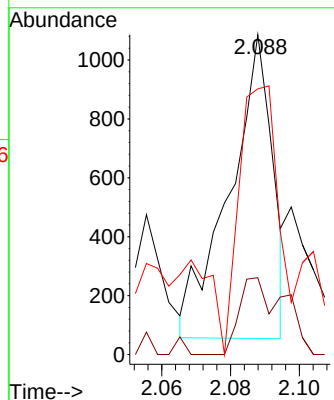
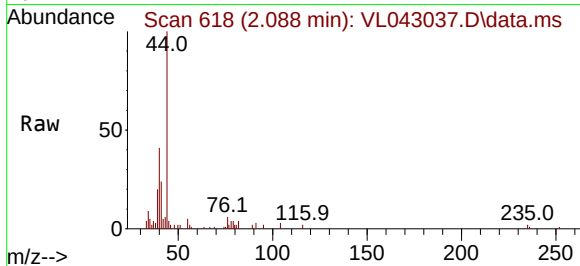




#21  
 Allyl Chloride  
 Concen: 0.058 ppbv  
 RT: 2.088 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

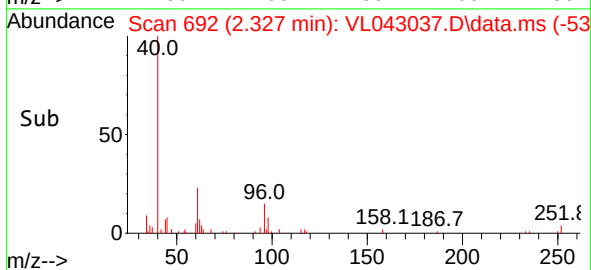
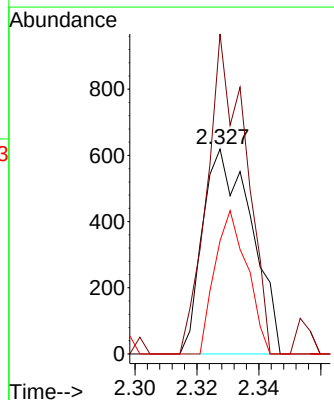
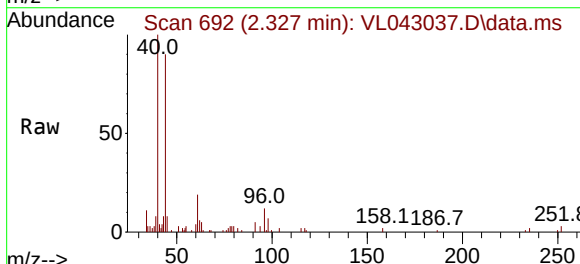
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

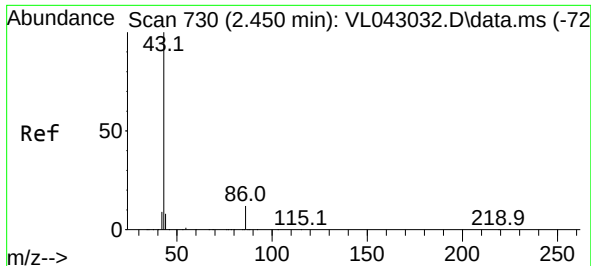
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 41 | Resp: | 900         |
| Ion         | Ratio | Lower Upper |
| 41          | 100   |             |
| 76          | 31.7  | 25.9 38.9   |
| 39          | 100.0 | 63.0 94.4#  |



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.058 ppbv  
 RT: 2.327 min Scan# 692  
 Delta R.T. -0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 96 | Resp: | 678         |
| Ion         | Ratio | Lower Upper |
| 96          | 100   |             |
| 61          | 156.2 | 131.9 197.9 |
| 98          | 55.3  | 52.1 78.1   |

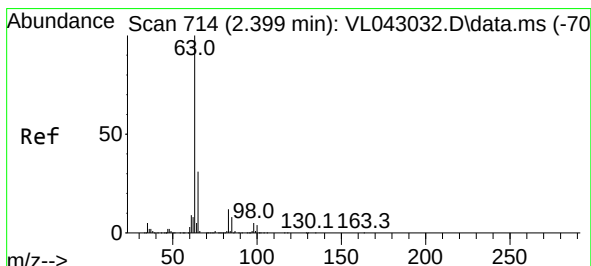
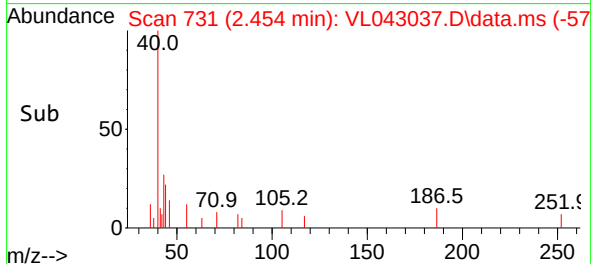
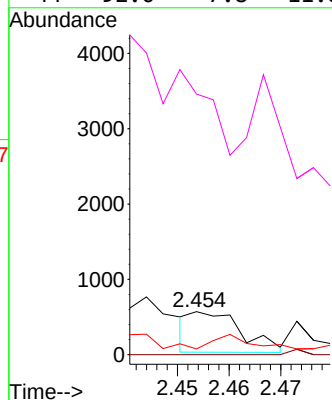
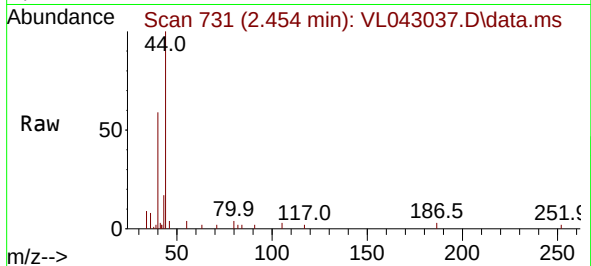




#23  
 Vinyl Acetate  
 Concen: 0.073 ppbv  
 RT: 2.454 min Scan# 714  
 Delta R.T. 0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

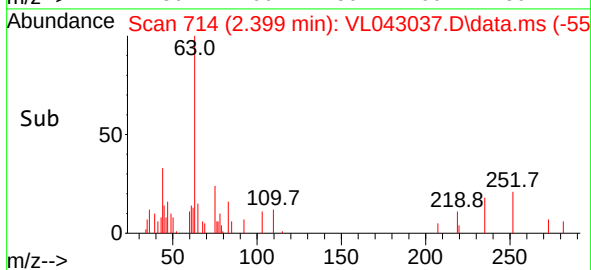
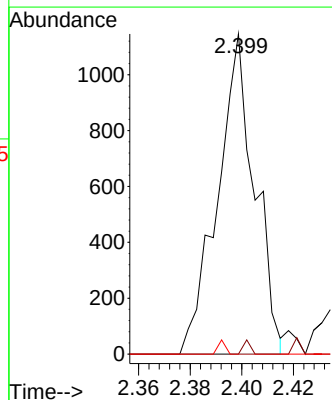
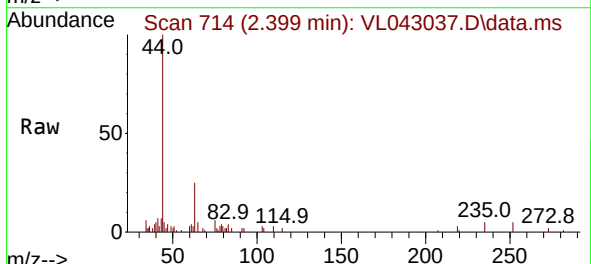
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.03

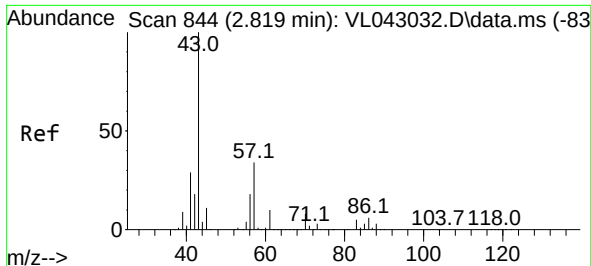
Tgt Ion: 43 Resp: 375  
 Ion Ratio Lower Upper  
 43 100  
 86 0.0 7.5 11.3#  
 42 0.0 8.4 12.6#  
 44 92.0 7.8 11.8#



#24  
 1,1-Dichloroethane  
 Concen: 0.052 ppbv  
 RT: 2.399 min Scan# 714  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 63 Resp: 1145  
 Ion Ratio Lower Upper  
 63 100  
 98 0.0 2.5 7.4#  
 100 0.0 1.8 5.4#

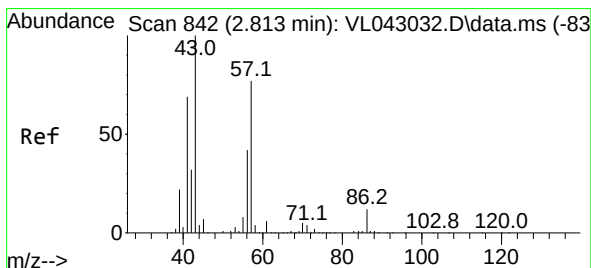
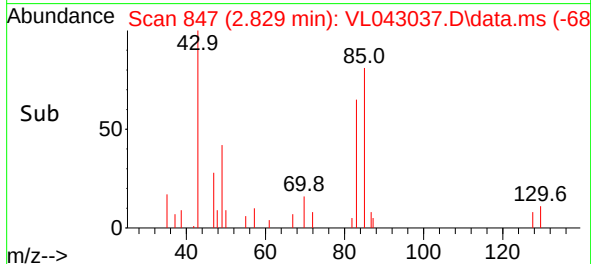
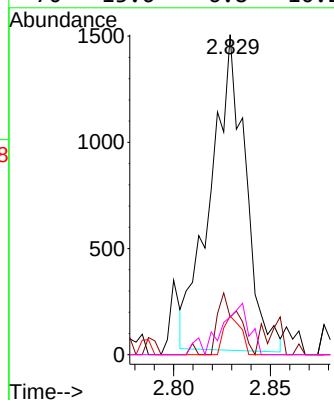
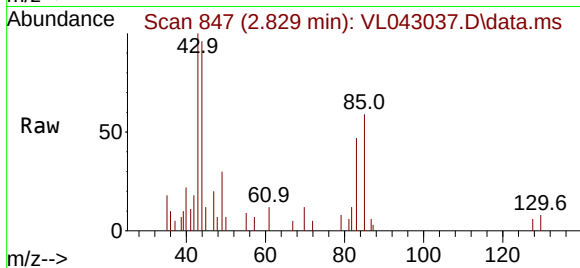




#25  
Ethyl Acetate  
Concen: 0.031 ppbv  
RT: 2.829 min Scan# 844  
Delta R.T. 0.010 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

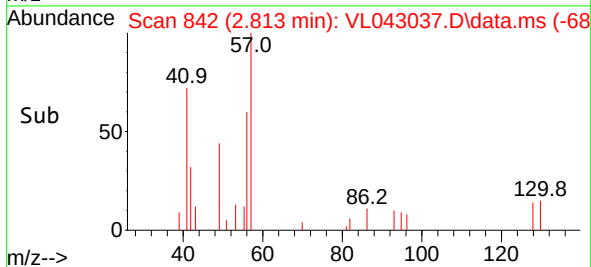
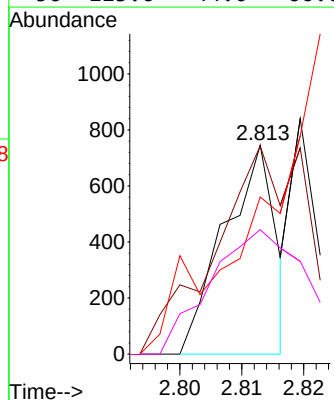
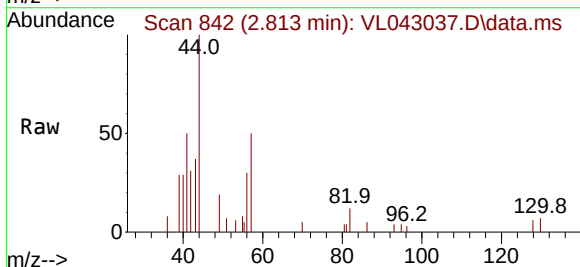
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 1850  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 17.6     | 8.3 12.5#   |
| 61 6.1      | 7.5 11.3#   |
| 70 13.6     | 6.8 10.2#   |

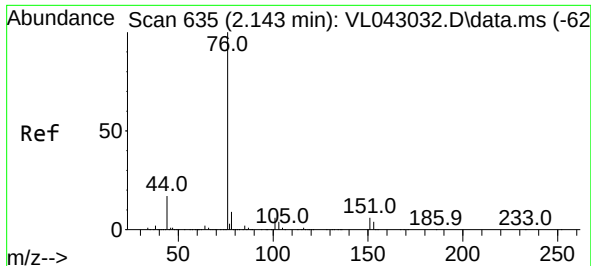


#26  
Hexane  
Concen: 0.019 ppbv  
RT: 2.813 min Scan# 842  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 434    |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 220.3    | 76.1 114.1#  |
| 43 0.0      | 201.4 302.0# |
| 56 113.6    | 44.0 66.0#   |







#27

Carbon Disulfide

Concen: 0.037 ppbv

RT: 2.143 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

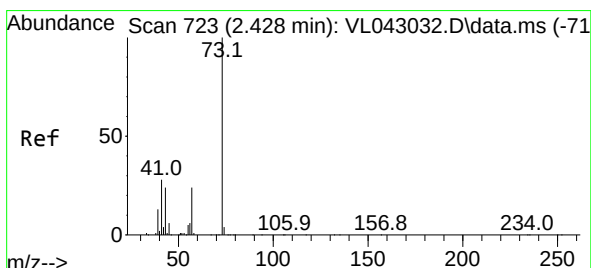
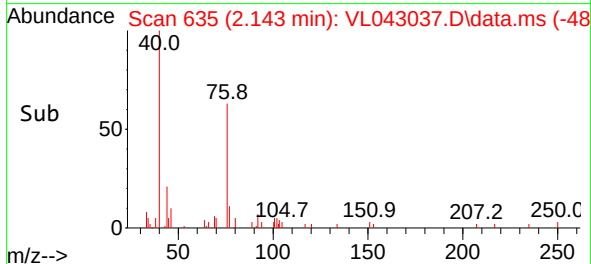
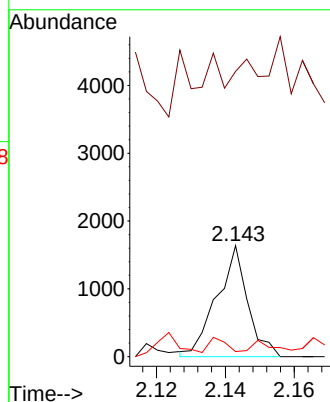
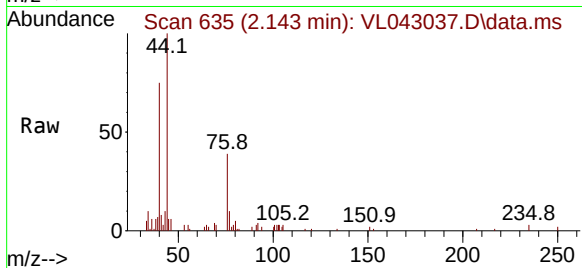
Tgt Ion: 76 Resp: 1019

Ion Ratio Lower Upper

76 100

44 430.8 14.0 21.0#

78 0.0 9.4 14.0#



#28

Methyl tert-Butyl Ether

Concen: 0.045 ppbv

RT: 2.434 min Scan# 725

Delta R.T. 0.007 min

Lab File: VL043037.D

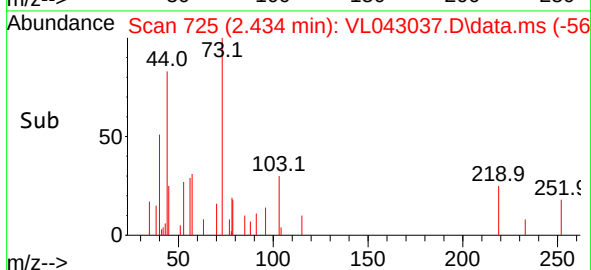
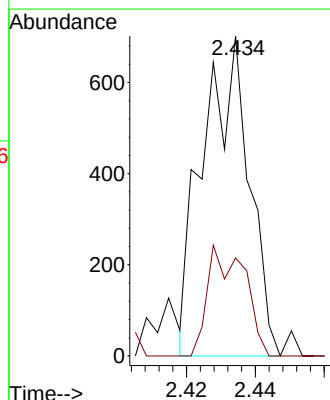
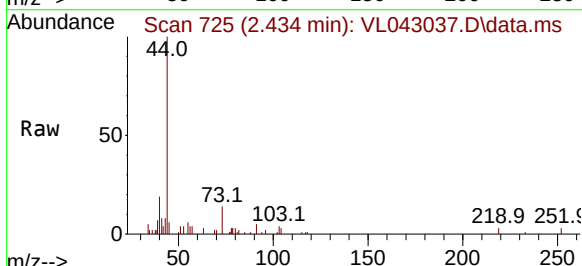
Acq: 02 Oct 2025 13:07

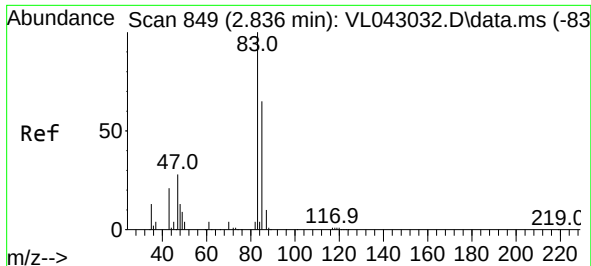
Tgt Ion: 73 Resp: 654

Ion Ratio Lower Upper

73 100

57 29.2 17.8 26.8#





#29

Chloroform

Concen: 0.038 ppbv

RT: 2.839 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

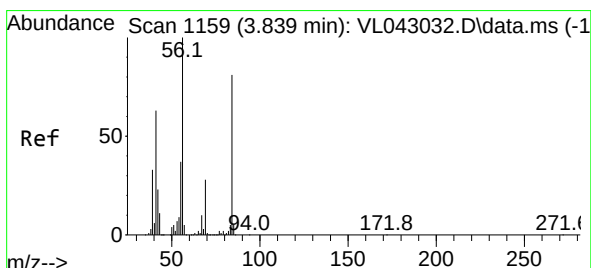
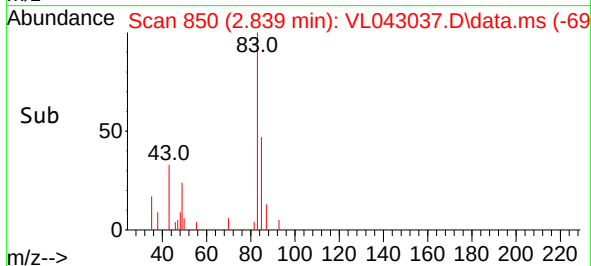
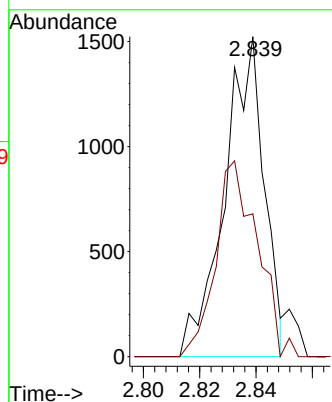
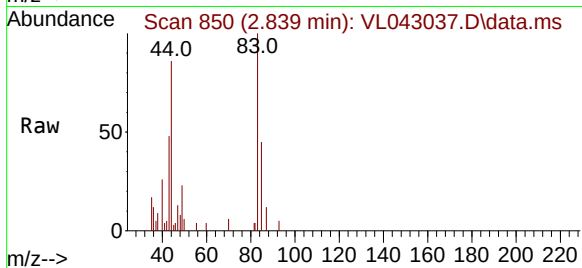
VSTDICC0.03

Tgt Ion: 83 Resp: 1489

Ion Ratio Lower Upper

83 100

85 44.6 52.0 78.0#



#30

Cyclohexane

Concen: 0.007 ppbv

RT: 3.842 min Scan# 1160

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

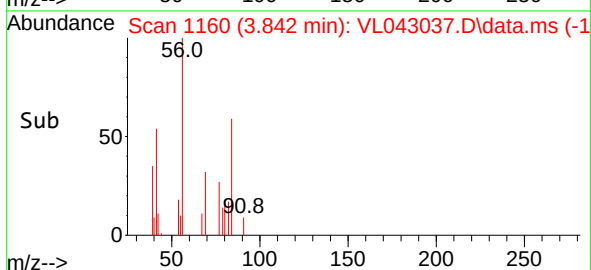
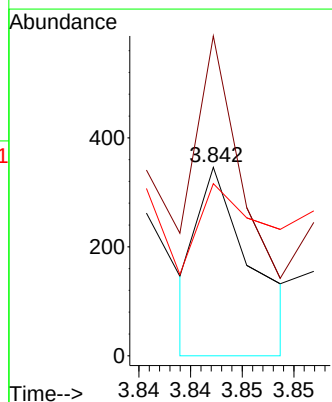
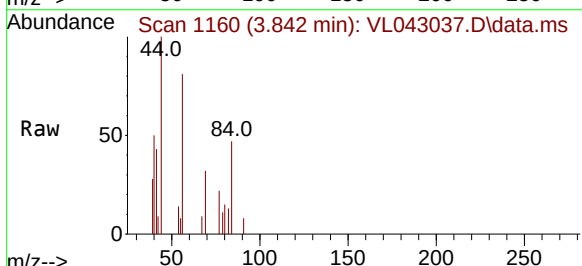
Tgt Ion: 84 Resp: 125

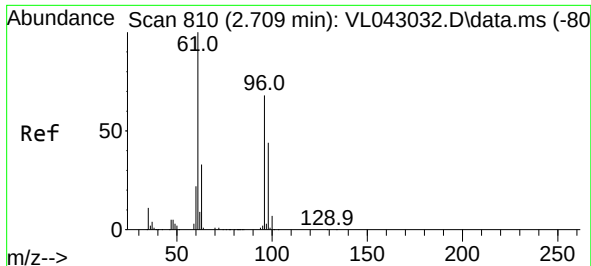
Ion Ratio Lower Upper

84 100

56 531.2 99.9 149.9#

41 452.8 64.2 96.4#

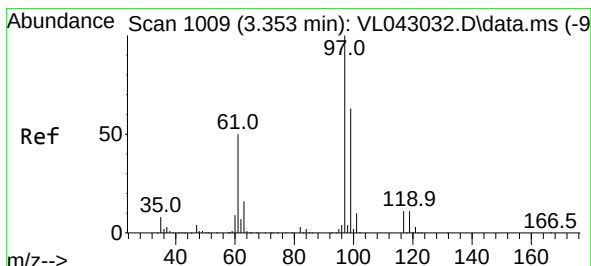
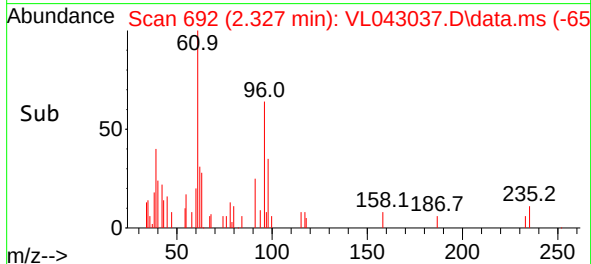
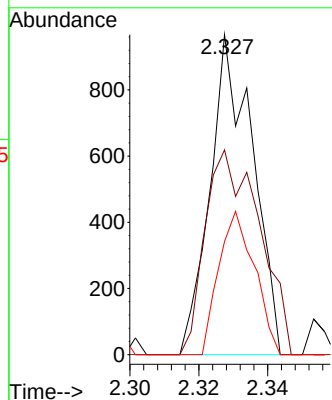
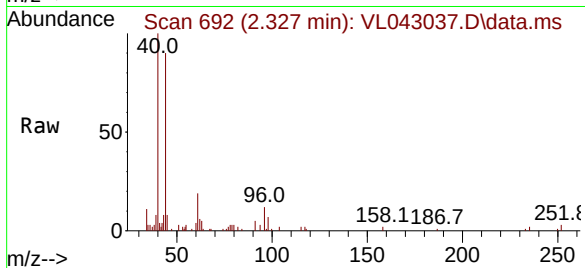




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.035 ppbv  
 RT: 2.327 min Scan# 61  
 Delta R.T. -0.382 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

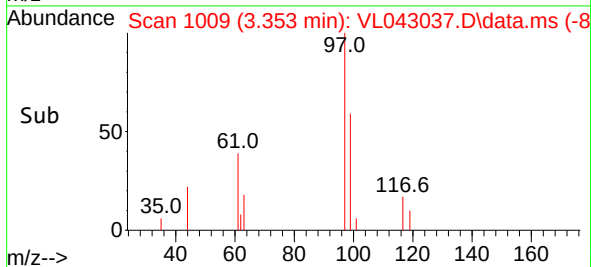
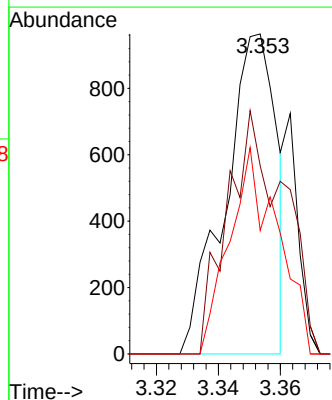
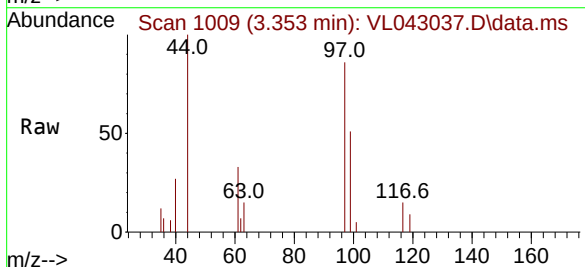
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

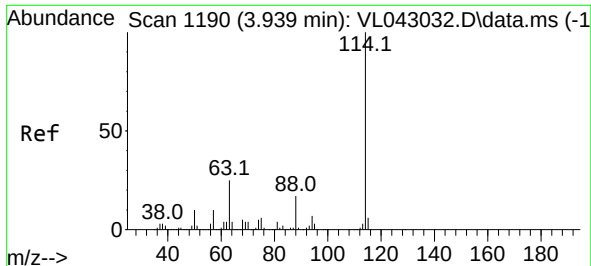
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 830   |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 64.0  | 54.6  | 82.0  |
| 98       | 35.4  | 34.8  | 52.2  |



#32  
 1,1,1-Trichloroethane  
 Concen: 0.029 ppbv  
 RT: 3.353 min Scan# 1009  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 1104  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 84.1  | 51.2  | 76.8# |
| 61       | 60.7  | 40.1  | 60.1# |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

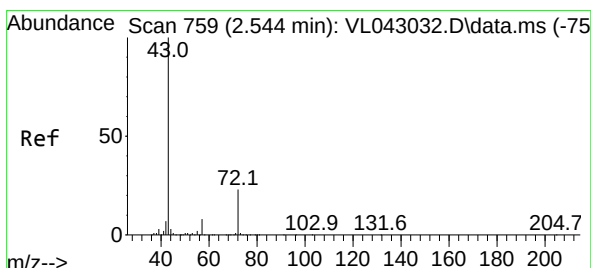
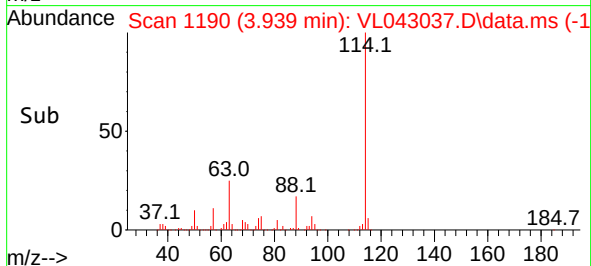
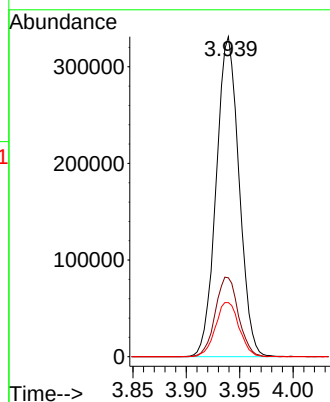
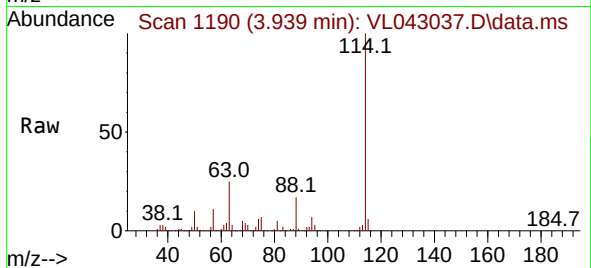
Tgt Ion:114 Resp: 493591

Ion Ratio Lower Upper

114 100

63 25.3 19.4 29.2

88 17.6 13.9 20.9



#34

2-Butanone

Concen: 0.046 ppbv

RT: 2.551 min Scan# 761

Delta R.T. 0.007 min

Lab File: VL043037.D

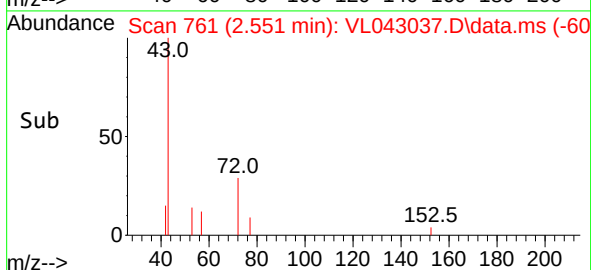
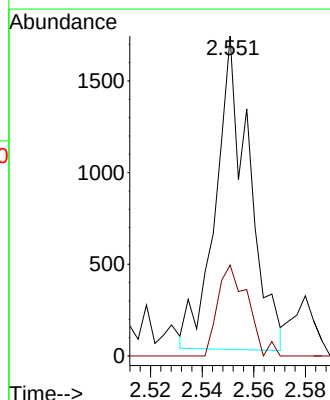
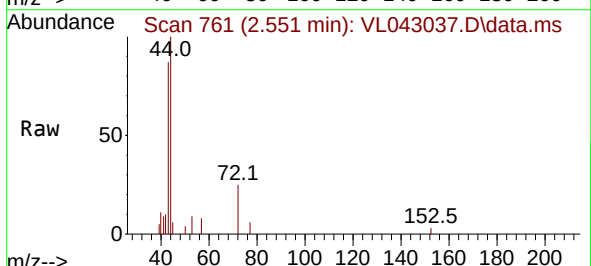
Acq: 02 Oct 2025 13:07

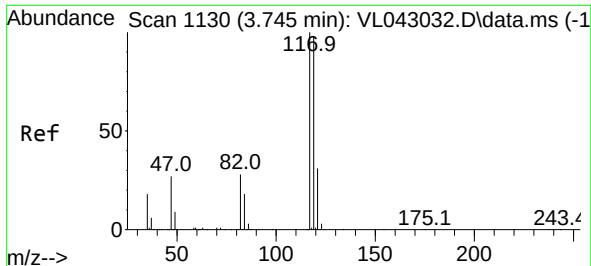
Tgt Ion: 43 Resp: 1532

Ion Ratio Lower Upper

43 100

72 26.0 18.4 27.6

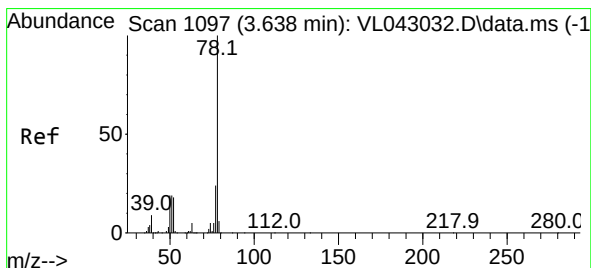
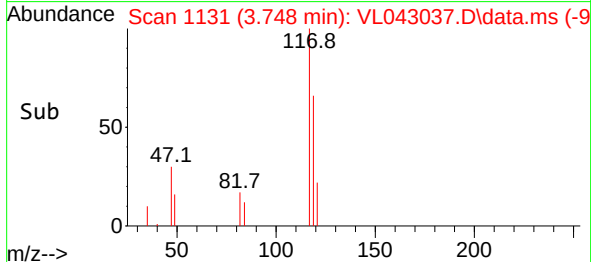
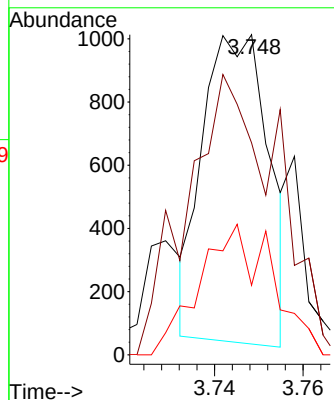
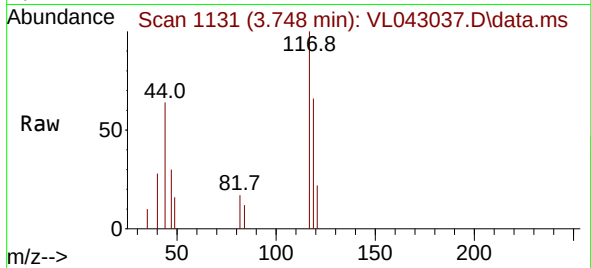




#35  
Carbon Tetrachloride  
Concen: 0.025 ppbv  
RT: 3.748 min Scan# 1131  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

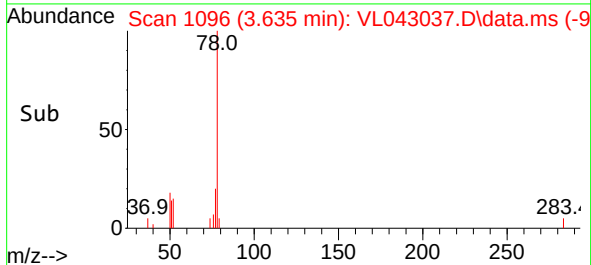
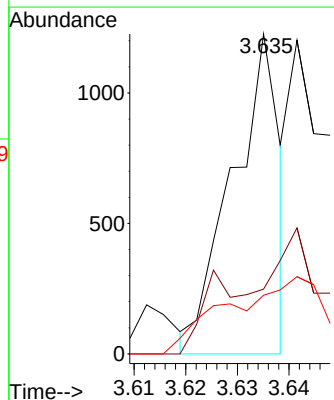
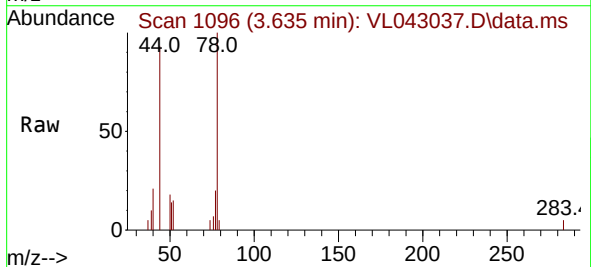
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

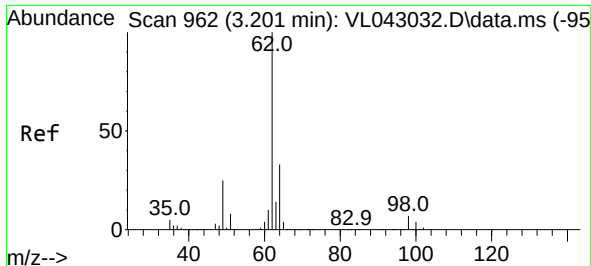
Tgt Ion:117 Resp: 1004  
Ion Ratio Lower Upper  
117 100  
119 53.0 78.2 117.4#  
121 11.1 24.8 37.2#



#36  
Benzene  
Concen: 0.017 ppbv  
RT: 3.635 min Scan# 1096  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 78 Resp: 780  
Ion Ratio Lower Upper  
78 100  
77 21.7 19.2 28.8  
50 14.5 14.9 22.3#

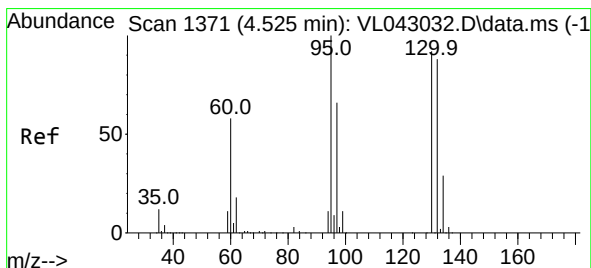
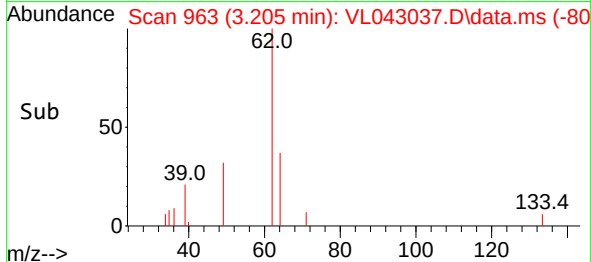
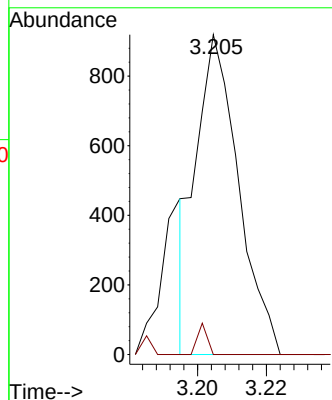
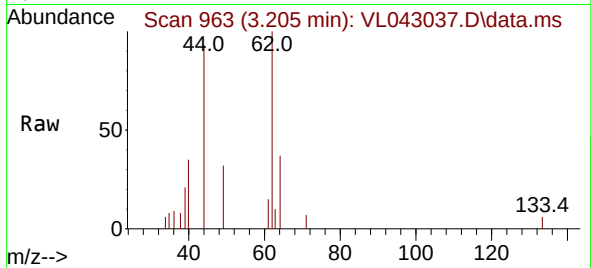




#37  
1,2-Dichloroethane  
Concen: 0.028 ppbv  
RT: 3.205 min Scan# 962  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

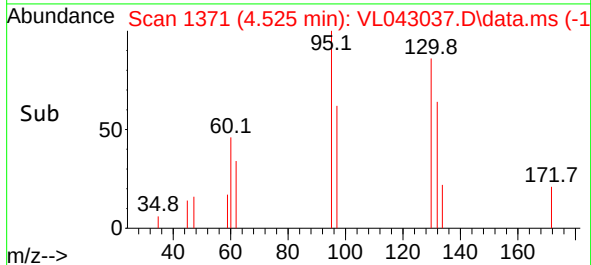
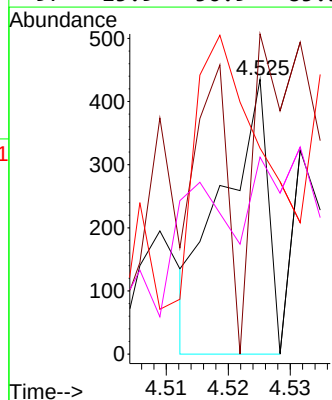
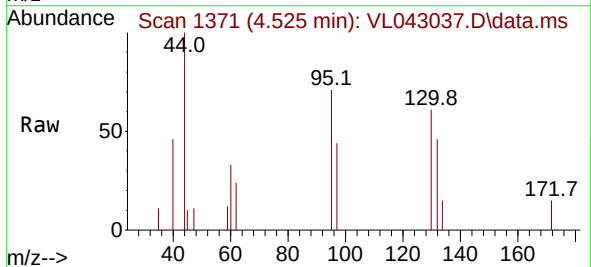
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.03

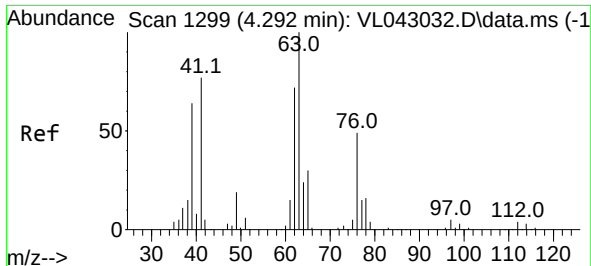
Tgt Ion: 62 Resp: 781  
Ion Ratio Lower Upper  
62 100  
98 0.0 5.6 8.4#



#38  
Trichloroethene  
Concen: 0.011 ppbv  
RT: 4.525 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 130 Resp: 221  
Ion Ratio Lower Upper  
130 100  
95 77.9 86.4 129.6#  
132 54.9 75.7 113.5#  
97 15.9 56.9 85.3#





#39

1,2-Dichloropropane

Concen: 7.115 ppbv

RT: 3.936 min Scan# 1189

Delta R.T. -0.356 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

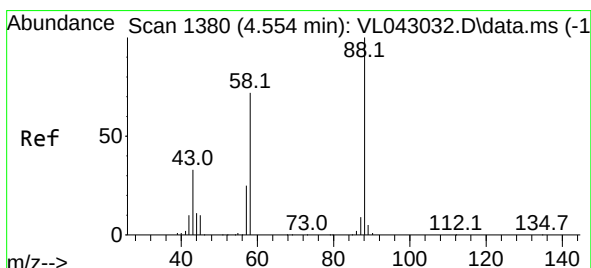
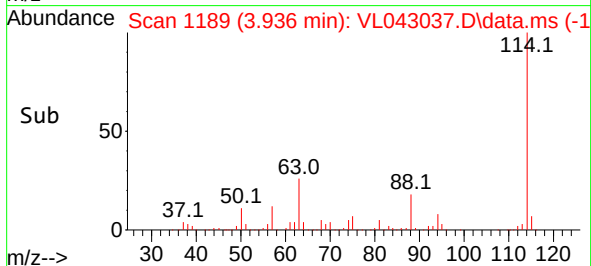
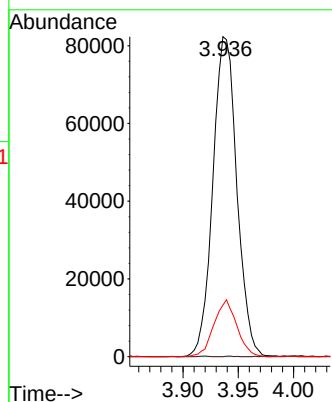
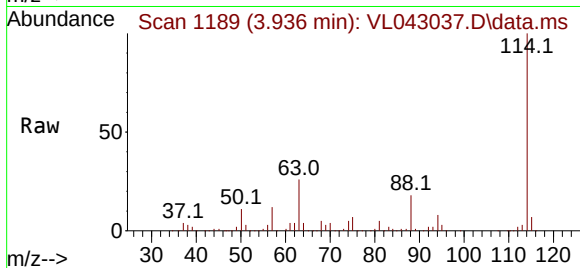
Tgt Ion: 63 Resp: 124375

Ion Ratio Lower Upper

63 100

41 0.0 61.6 92.4#

62 16.1 58.1 87.1#



#40

1,4-Dioxane

Concen: 0.010 ppbv

RT: 4.593 min Scan# 1392

Delta R.T. 0.039 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Tgt Ion: 88 Resp: 73

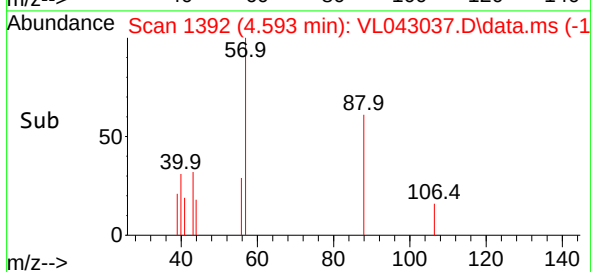
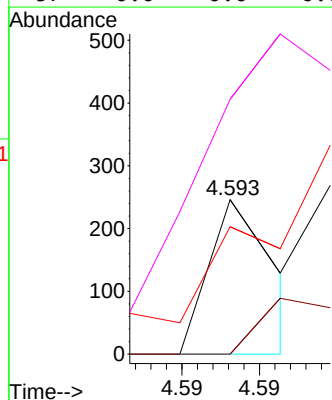
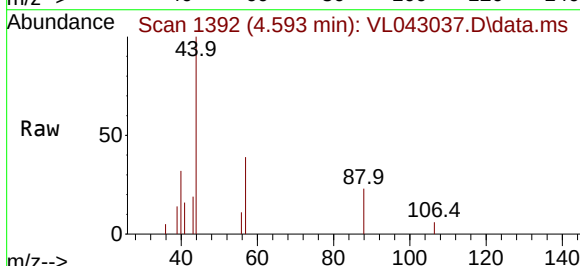
Ion Ratio Lower Upper

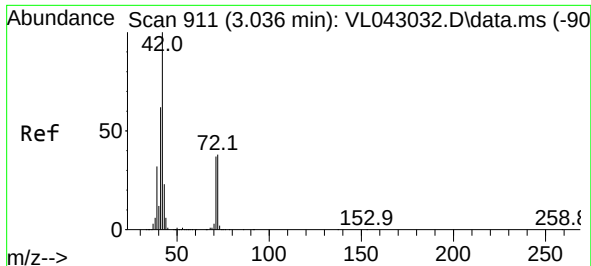
88 100

58 0.0 56.2 84.2#

43 30.1 25.7 38.5

57 0.0 0.0 0.0

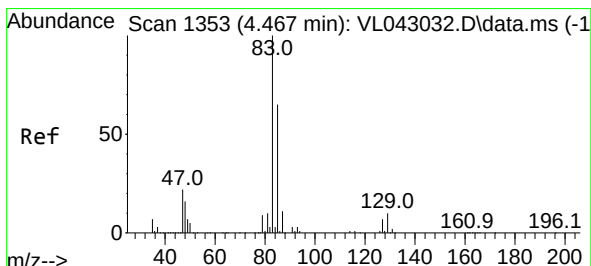
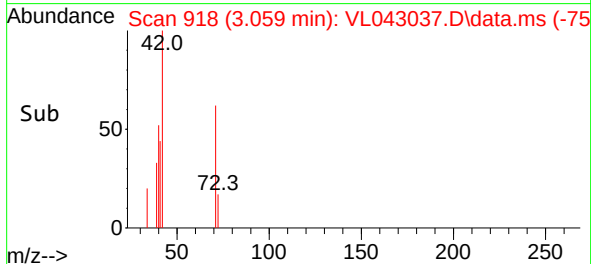
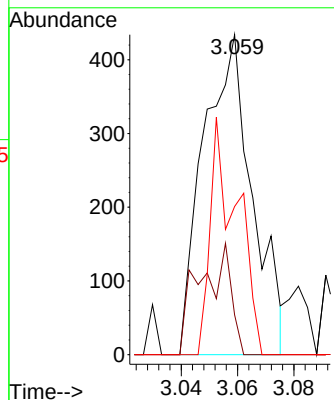
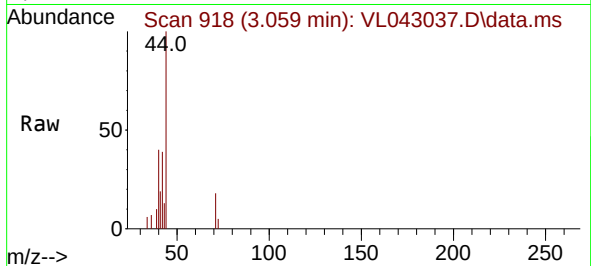




#41  
Tetrahydrofuran  
Concen: 0.030 ppbv  
RT: 3.059 min Scan# 911  
Delta R.T. 0.023 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

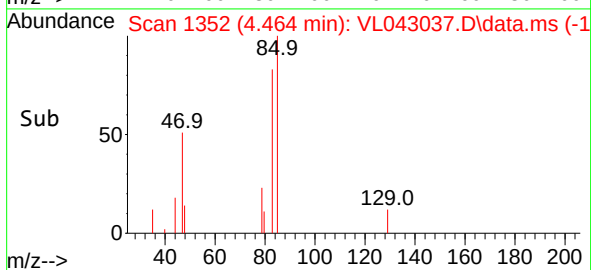
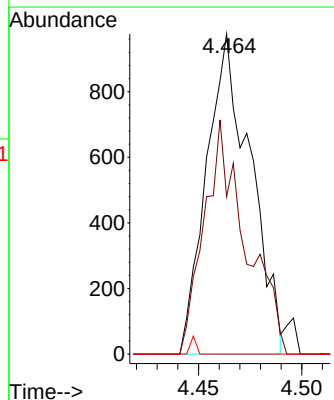
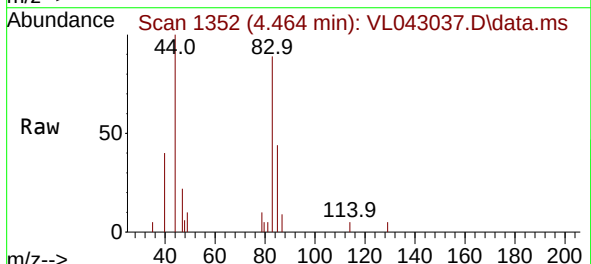
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 523   |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 22.4  | 31.0  | 46.6# |
| 71       | 40.7  | 29.8  | 44.6  |

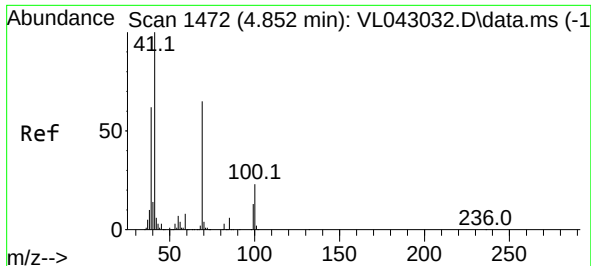


#42  
Bromodichloromethane  
Concen: 0.037 ppbv  
RT: 4.464 min Scan# 1352  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1445  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 49.2  | 51.8  | 77.8# |
| 127      | 0.0   | 5.9   | 8.9#  |



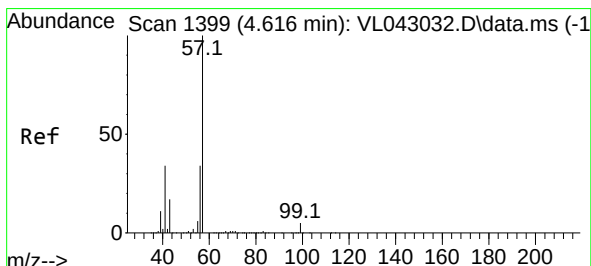
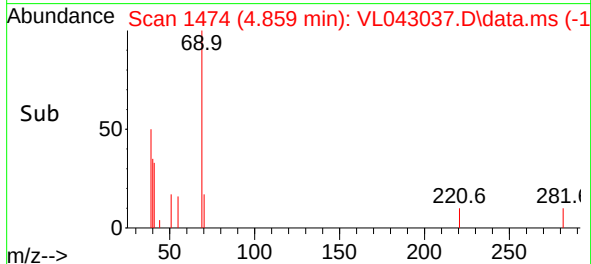
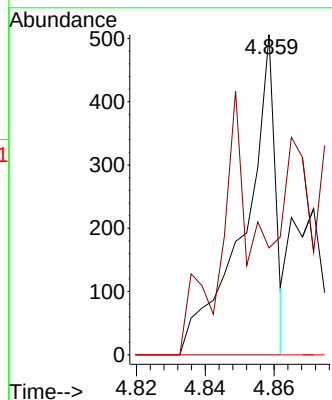
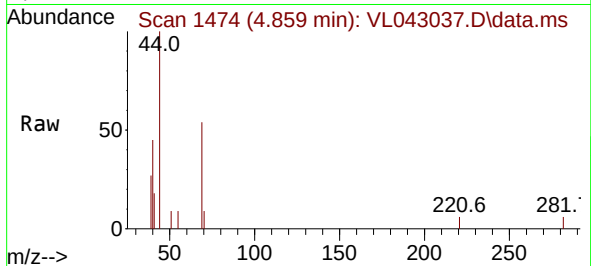




#43  
Methyl Methacrylate  
Concen: 0.020 ppbv  
RT: 4.859 min Scan# 1472  
Delta R.T. 0.007 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

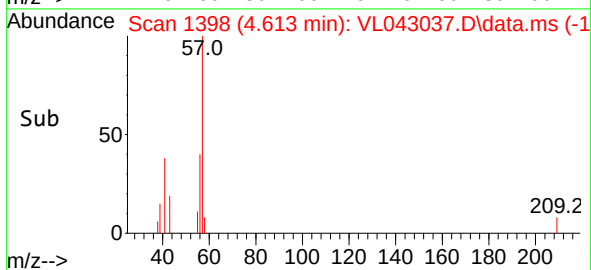
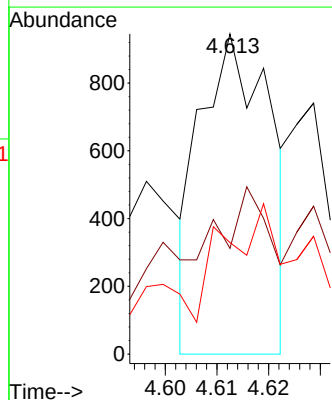
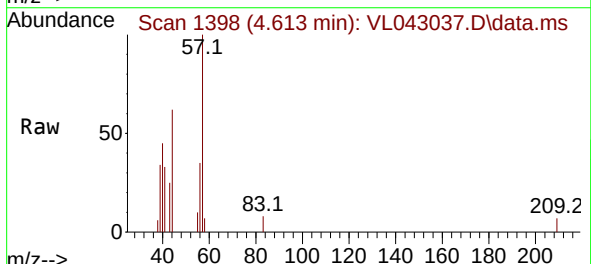
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

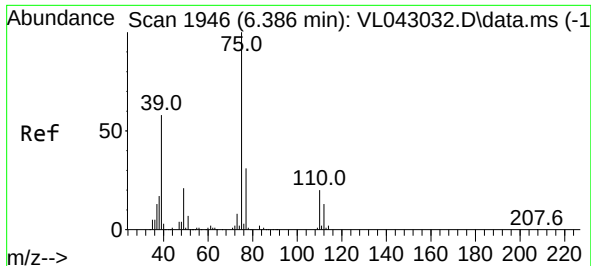
Tgt Ion: 69 Resp: 315  
Ion Ratio Lower Upper  
69 100  
41 186.0 118.0 177.0#  
100 0.0 28.3 42.5#



#44  
2,2,4-Trimethylpentane  
Concen: 0.012 ppbv  
RT: 4.613 min Scan# 1398  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 57 Resp: 888  
Ion Ratio Lower Upper  
57 100  
41 115.0 27.0 40.4#  
56 83.6 26.0 39.0#

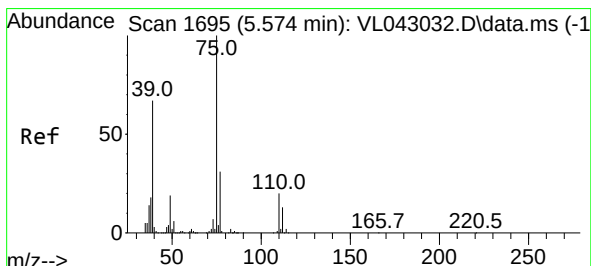
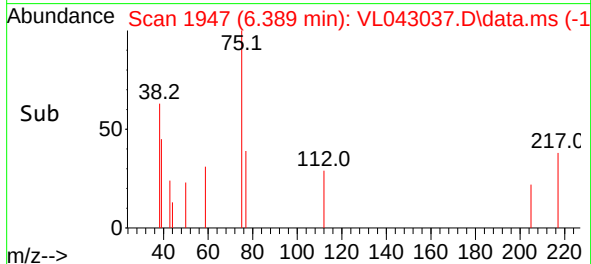
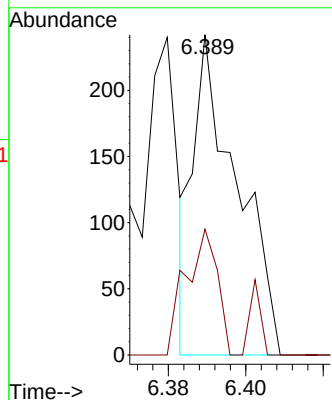
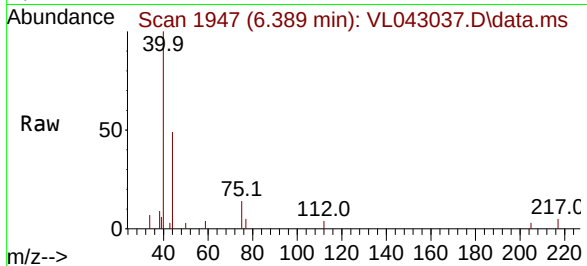




#45  
 t-1,3-Dichloropropene  
 Concen: 0.013 ppbv  
 RT: 6.389 min Scan# 1947  
 Delta R.T. 0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

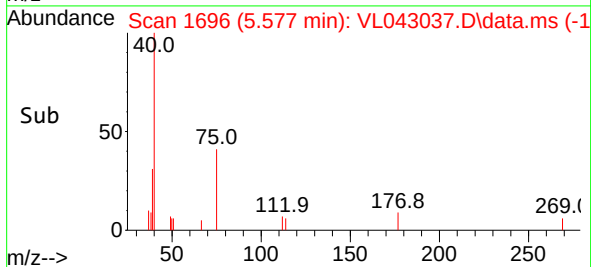
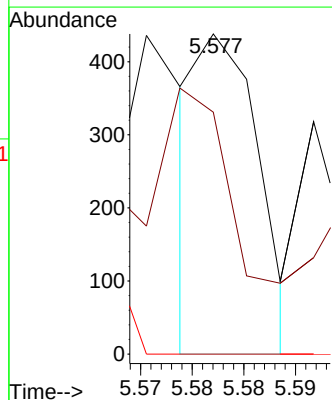
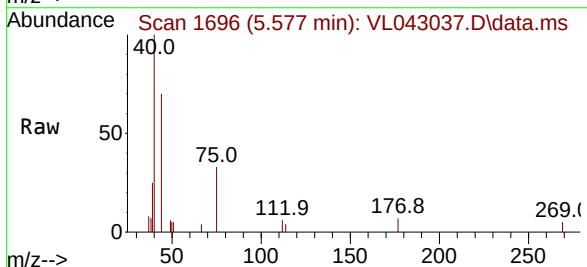
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

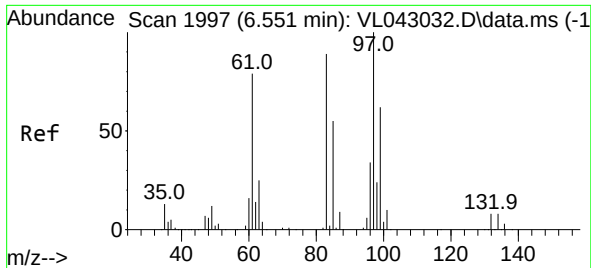
Tgt Ion: 75 Resp: 190  
 Ion Ratio Lower Upper  
 75 100  
 77 39.3 24.7 37.1#



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.009 ppbv  
 RT: 5.577 min Scan# 1696  
 Delta R.T. 0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 75 Resp: 177  
 Ion Ratio Lower Upper  
 75 100  
 39 69.0 53.4 80.0  
 77 0.0 25.0 37.4#



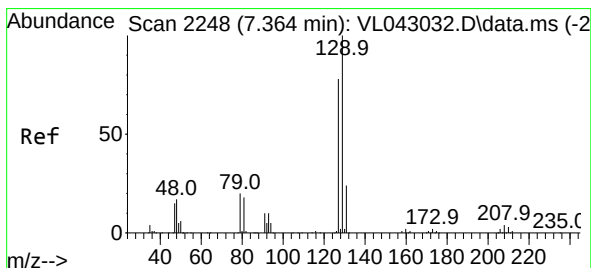
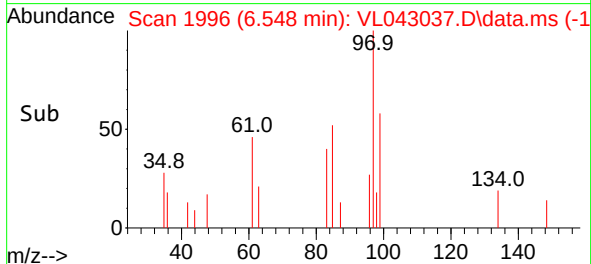
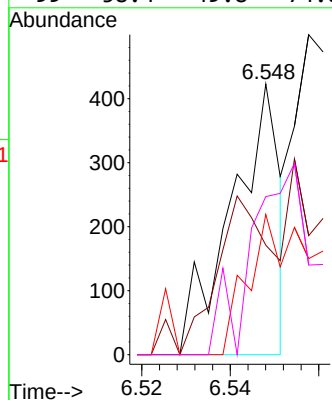
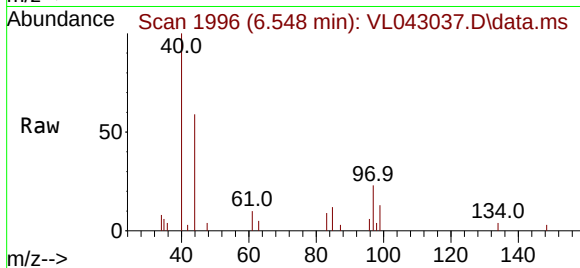


#47  
1,1,2-Trichloroethane  
Concen: 0.016 ppbv  
RT: 6.548 min Scan# 1997  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

Tgt Ion: 97 Resp: 319

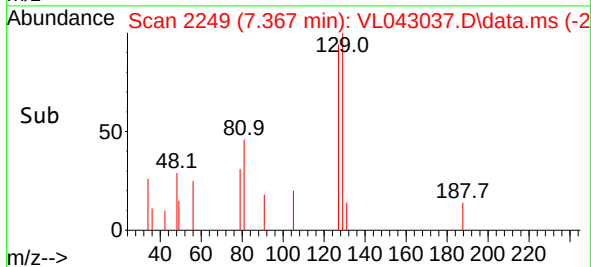
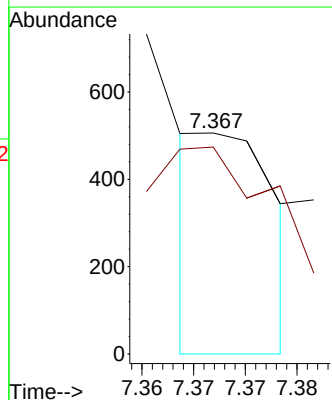
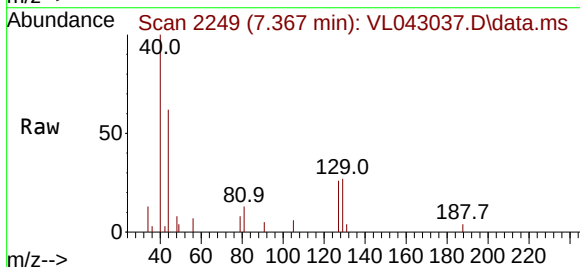
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 83  | 40.4  | 71.1  | 106.7# |
| 85  | 51.8  | 44.3  | 66.5   |
| 99  | 58.4  | 49.8  | 74.8   |

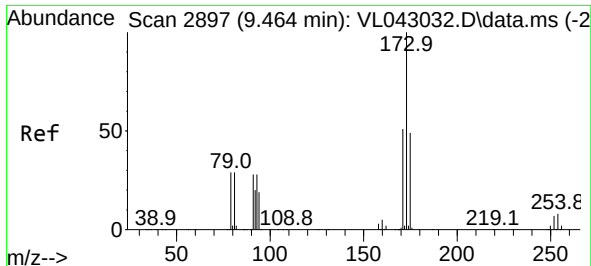


#48  
Dibromochloromethane  
Concen: 0.008 ppbv  
RT: 7.367 min Scan# 2249  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 129 Resp: 260

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 129 | 100   |       |        |
| 127 | 306.5 | 38.6  | 116.0# |

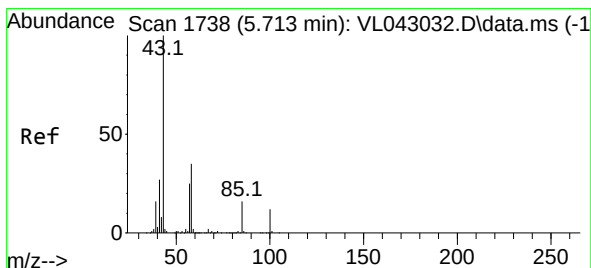
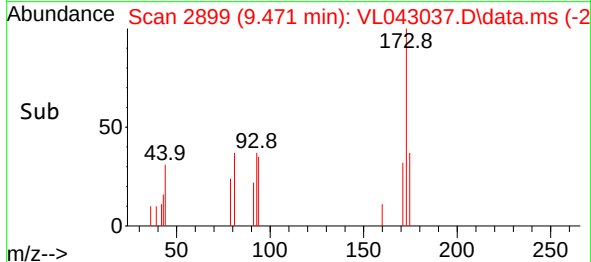
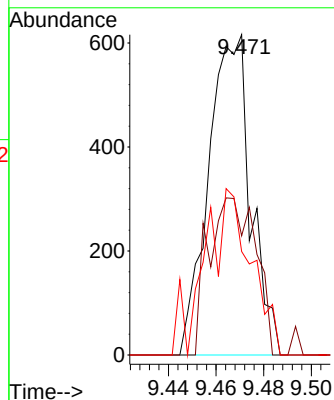
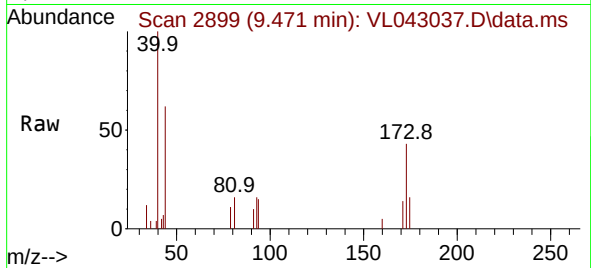




#49  
Bromoform  
Concen: 0.029 ppbv  
RT: 9.471 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

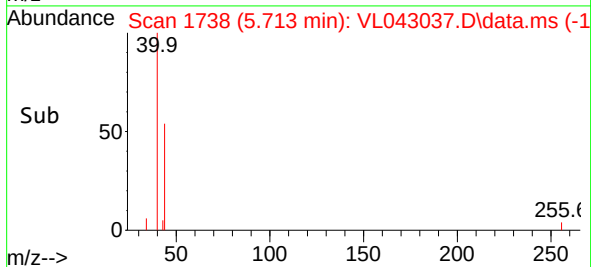
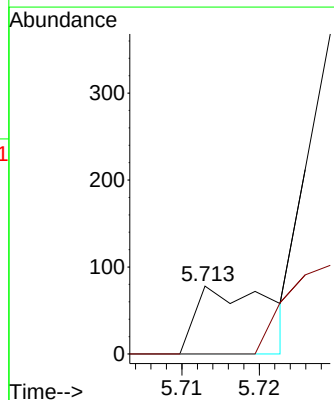
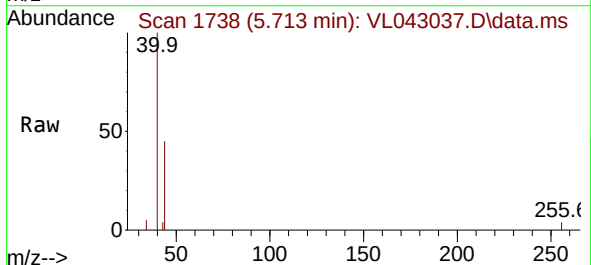
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

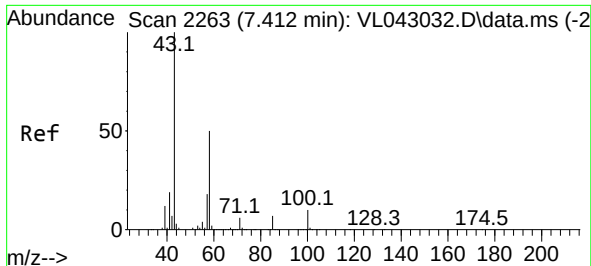
Tgt Ion:173 Resp: 756  
Ion Ratio Lower Upper  
173 100  
175 38.9 39.1 58.7#  
171 57.5 41.4 62.2



#50  
4-Methyl-2-Pentanone  
Concen: 0.001 ppbv  
RT: 5.713 min Scan# 1738  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 43 Resp: 52  
Ion Ratio Lower Upper  
43 100  
58 0.0 28.7 43.1#

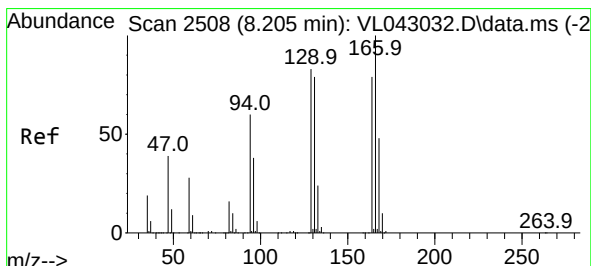
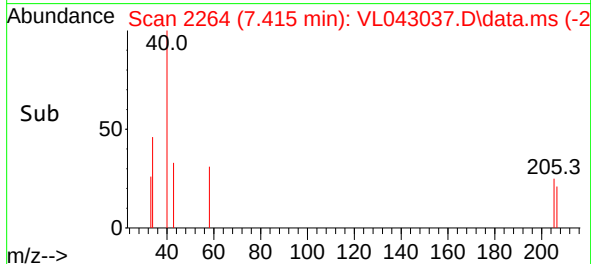
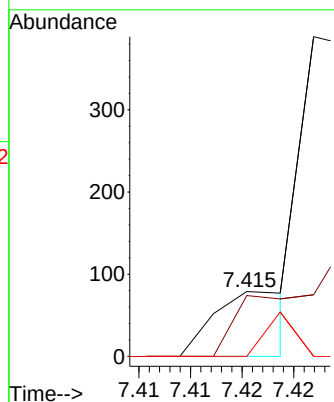
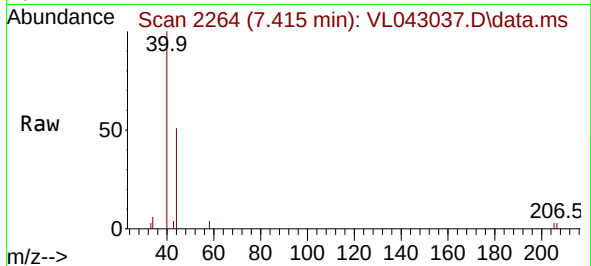




#51  
2-Hexanone  
Concen: 0.001 ppbv  
RT: 7.415 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

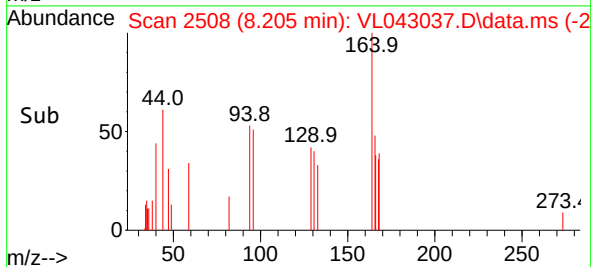
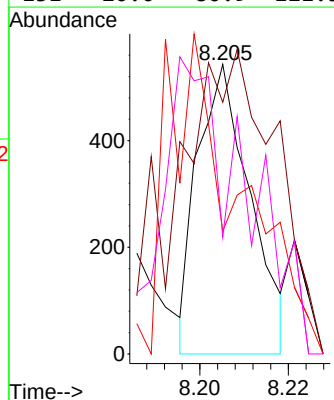
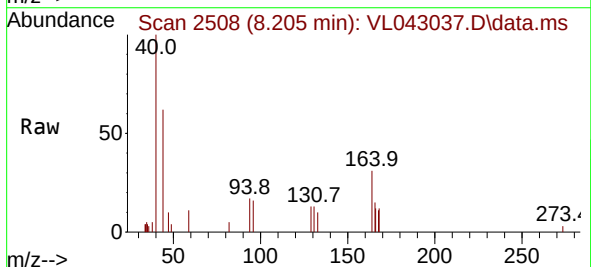
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

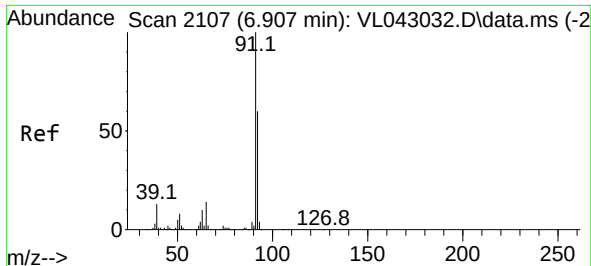
Tgt Ion: 43 Resp: 40  
Ion Ratio Lower Upper  
43 100  
58 0.0 39.1 58.7#  
98 0.0 0.5 0.7#



#52  
Tetrachloroethene  
Concen: 0.025 ppbv  
RT: 8.205 min Scan# 2508  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 164 Resp: 448  
Ion Ratio Lower Upper  
164 100  
166 15.6 101.8 152.8#  
129 0.0 84.5 126.7#  
131 20.0 80.9 121.3#

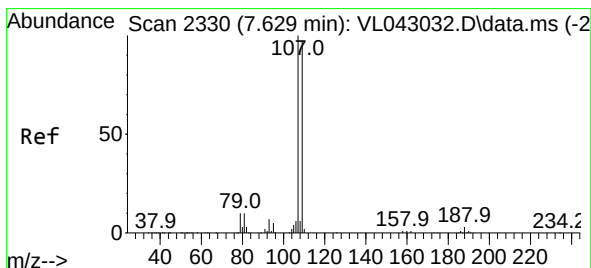
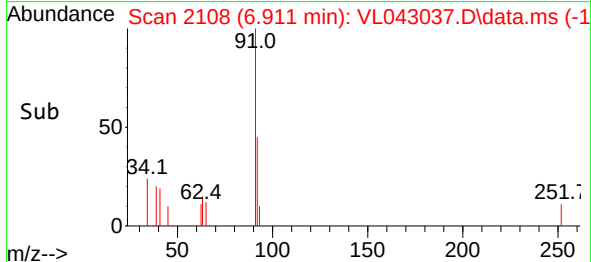
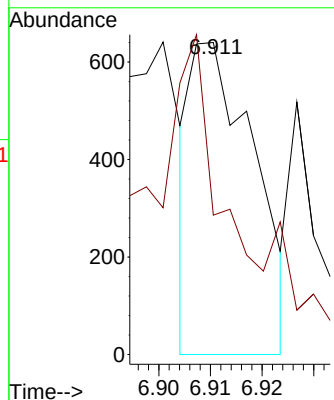
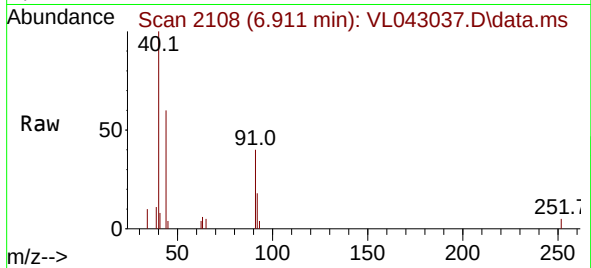




#53  
Toluene  
Concen: 0.011 ppbv  
RT: 6.911 min Scan# 2107  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

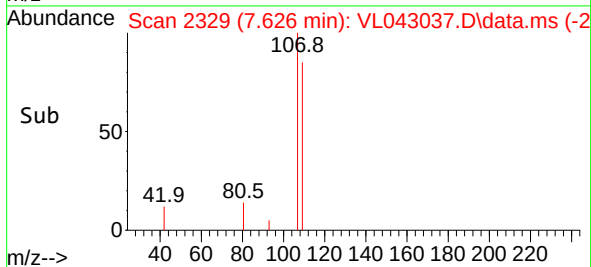
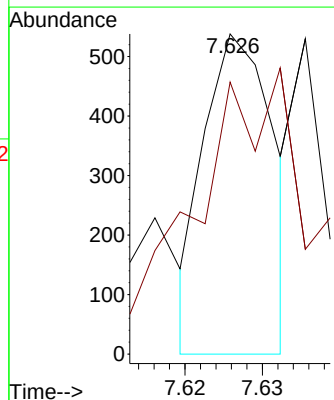
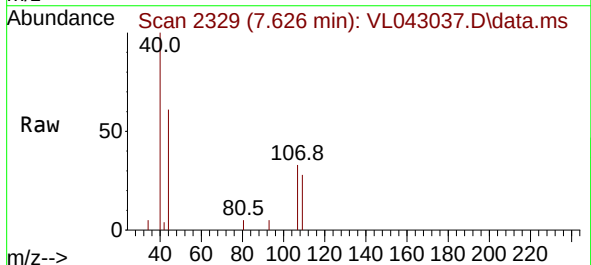
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

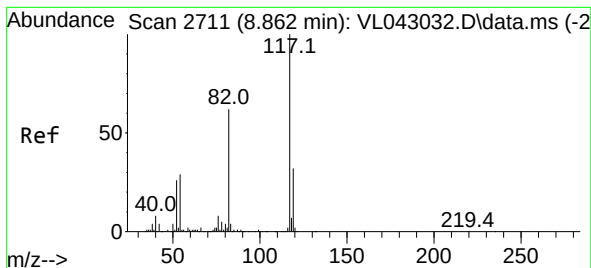
Tgt Ion: 91 Resp: 546  
Ion Ratio Lower Upper  
91 100  
92 137.5 47.8 71.6#



#54  
1,2-Dibromoethane  
Concen: 0.015 ppbv  
RT: 7.626 min Scan# 2329  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 107 Resp: 337  
Ion Ratio Lower Upper  
107 100  
109 55.2 77.4 116.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.862 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.03

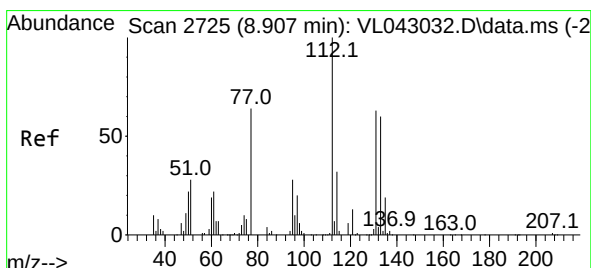
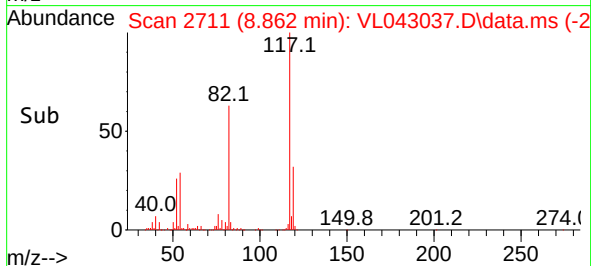
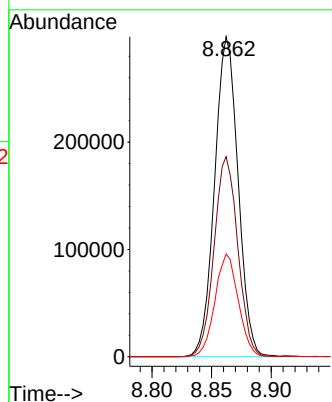
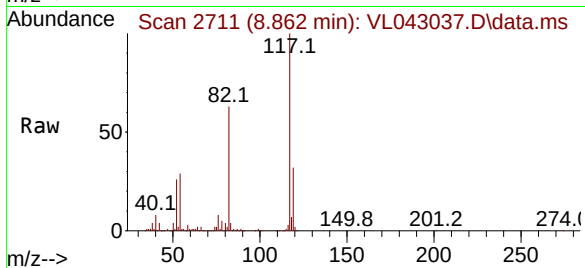
Tgt Ion:117 Resp: 408184

Ion Ratio Lower Upper

117 100

82 63.2 53.0 79.6

119 32.1 25.4 38.2



#56

1,1,1,2-Tetrachloroethane

Concen: 0.019 ppbv

RT: 8.911 min Scan# 2726

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

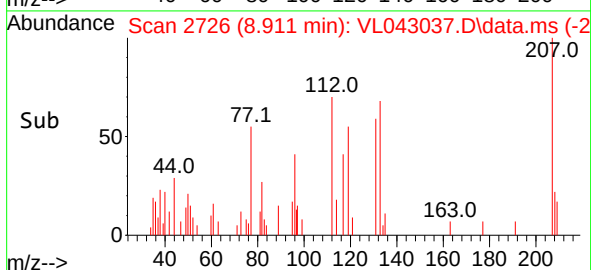
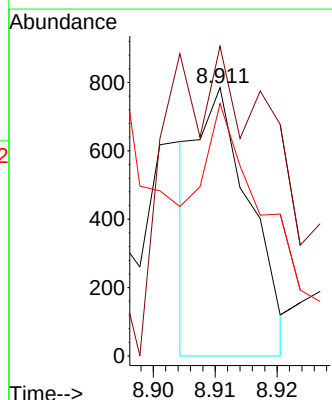
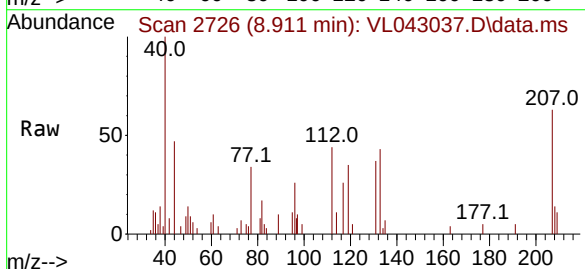
Tgt Ion:131 Resp: 472

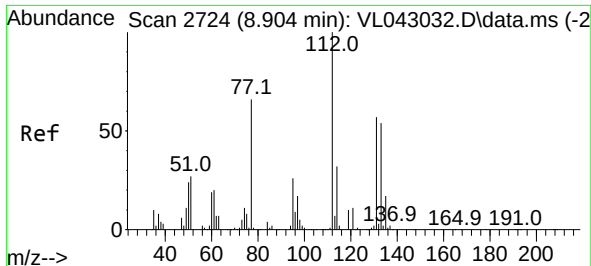
Ion Ratio Lower Upper

131 100

133 295.6 76.2 114.4#

119 0.0 49.4 74.2#

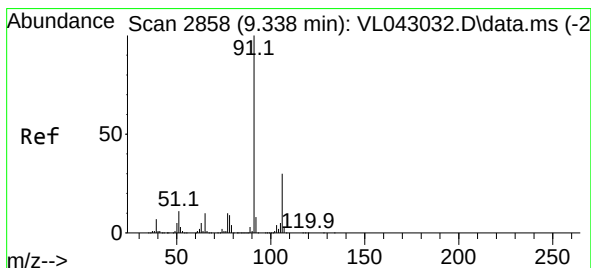
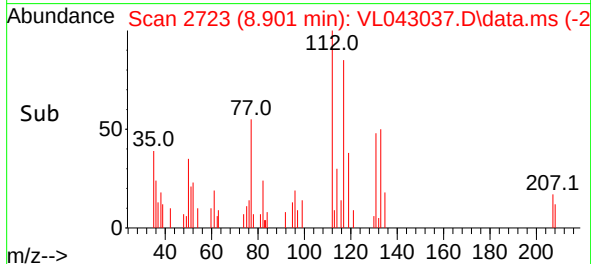
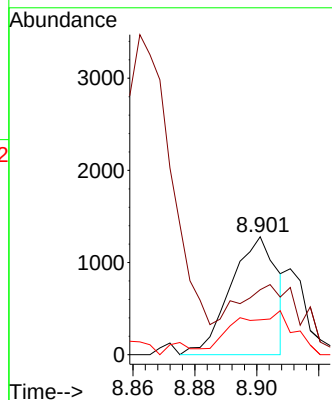
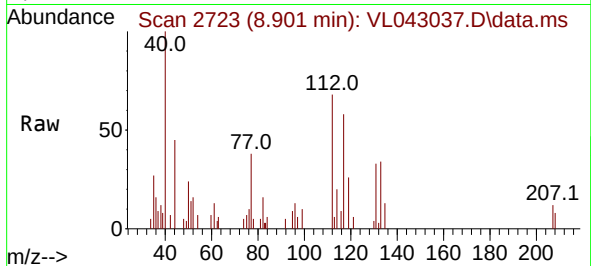




#57  
Chlorobenzene  
Concen: 0.031 ppbv  
RT: 8.901 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

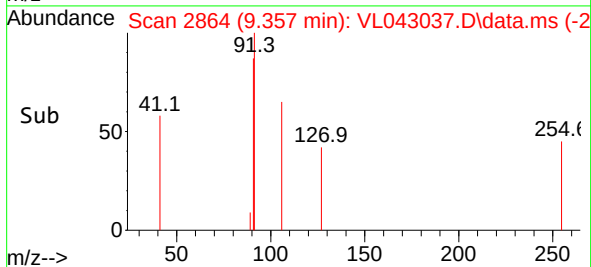
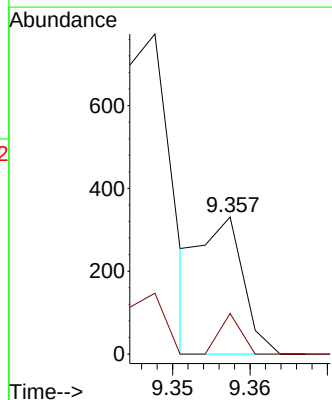
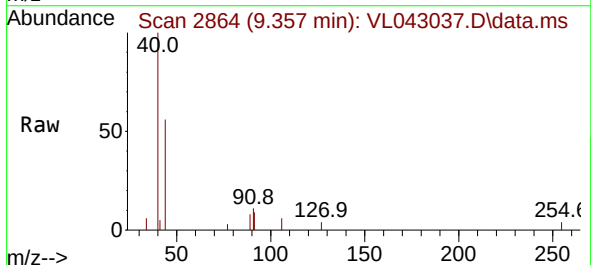
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

Tgt Ion:112 Resp: 1331  
Ion Ratio Lower Upper  
112 100  
77 6.2 53.2 79.8#  
114 19.1 28.6 35.0#

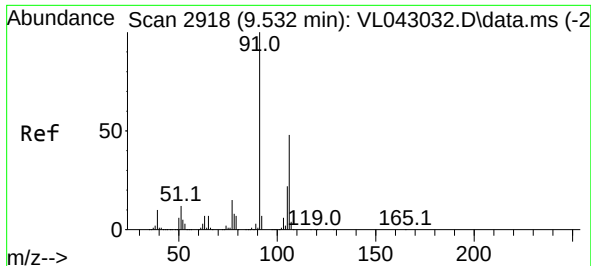


#58  
Ethyl Benzene  
Concen: 0.002 ppbv  
RT: 9.357 min Scan# 2864  
Delta R.T. 0.019 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 91 Resp: 126  
Ion Ratio Lower Upper  
91 100  
106 29.6 24.1 36.1







#59

m/p-Xylene

Concen: 0.013 ppbv

RT: 9.535 min Scan# 2918

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_1

ClientSampleId :

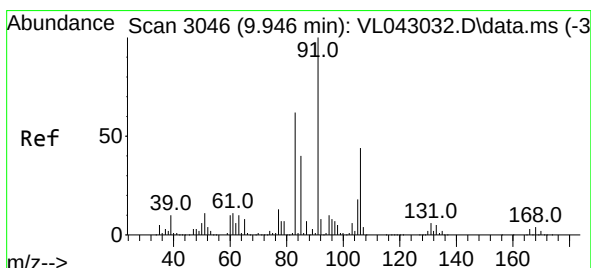
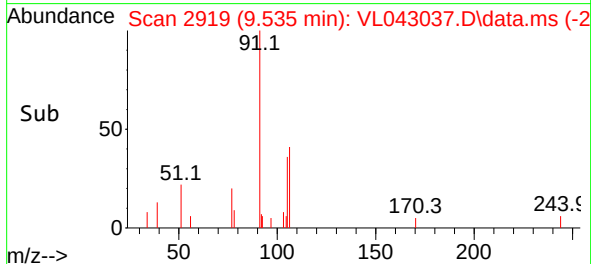
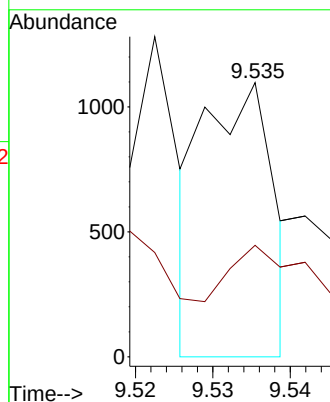
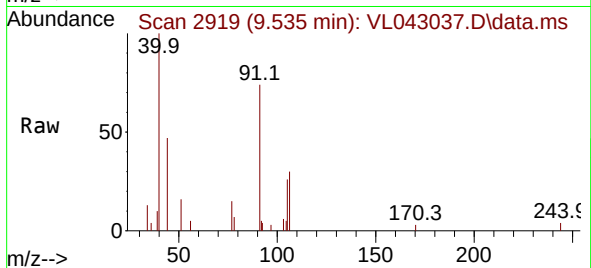
VSTDIC0.03

Tgt Ion: 91 Resp: 686

Ion Ratio Lower Upper

91 100

106 0.0 37.5 56.3#



#60

o-Xylene

Concen: 0.024 ppbv

RT: 9.947 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VL043037.D

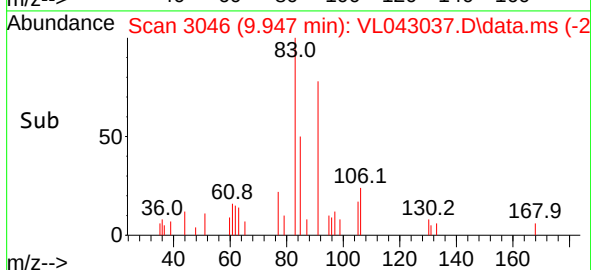
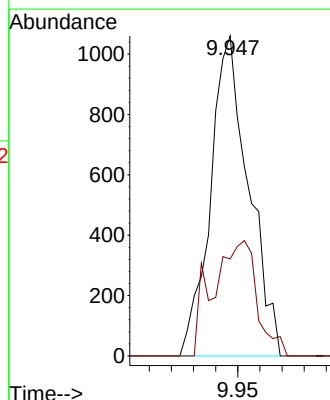
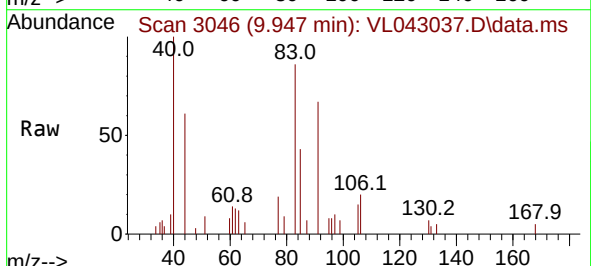
Acq: 02 Oct 2025 13:07

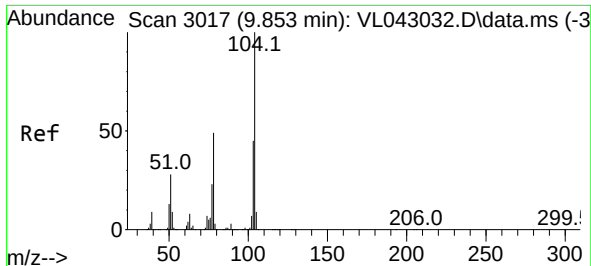
Tgt Ion: 91 Resp: 1271

Ion Ratio Lower Upper

91 100

106 41.8 21.9 65.5

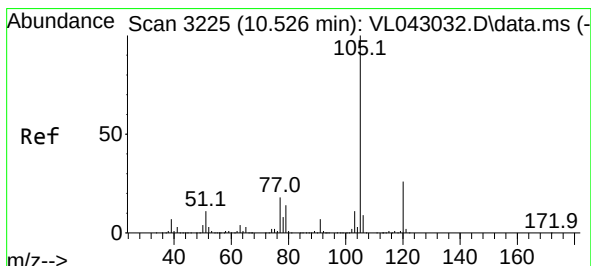
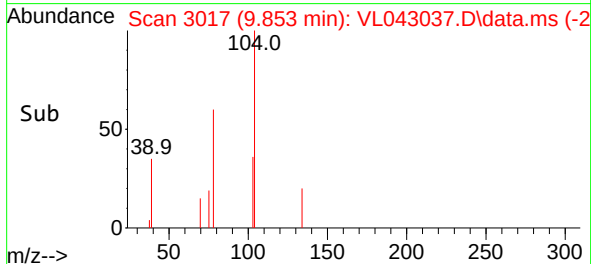
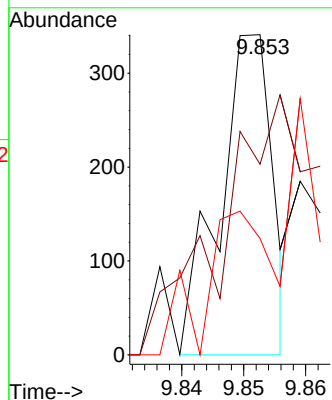
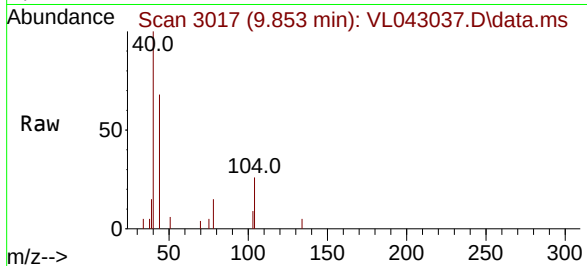




#61  
Styrene  
Concen: 0.009 ppbv  
RT: 9.853 min Scan# 3017  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

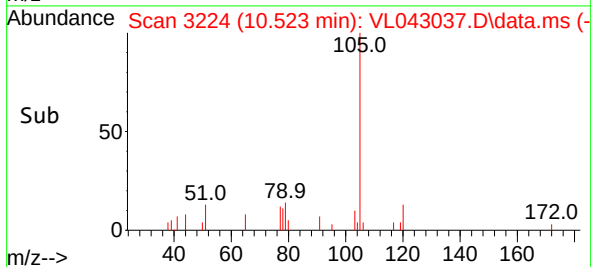
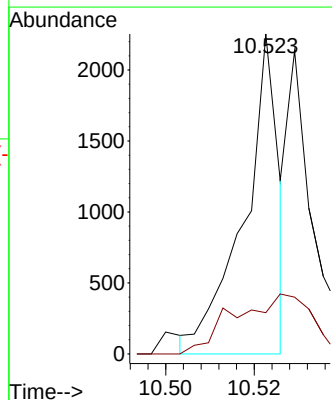
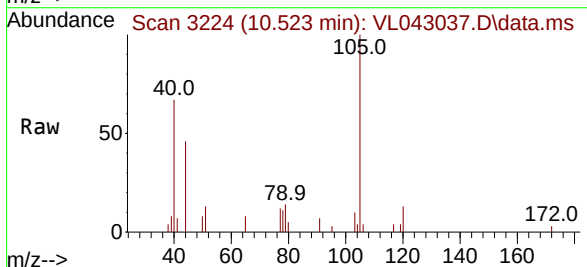
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.03

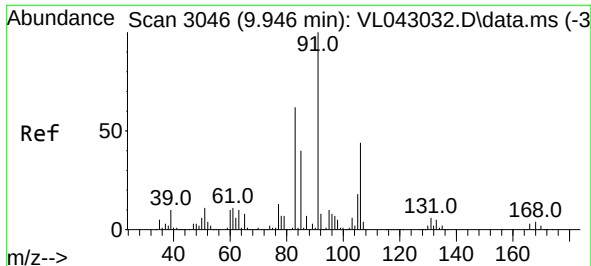
Tgt Ion:104 Resp: 205  
Ion Ratio Lower Upper  
104 100  
78 147.8 39.7 59.5#  
103 0.0 37.6 56.4#



#62  
Isopropylbenzene  
Concen: 0.015 ppbv  
RT: 10.523 min Scan# 3224  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion:105 Resp: 1227  
Ion Ratio Lower Upper  
105 100  
120 41.0 20.6 31.0#

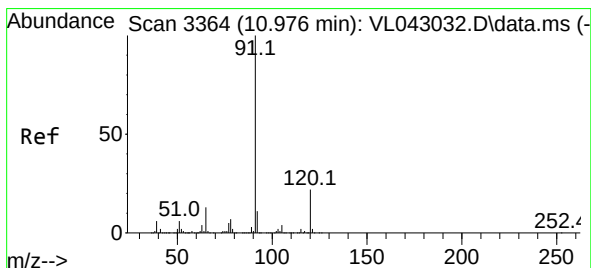
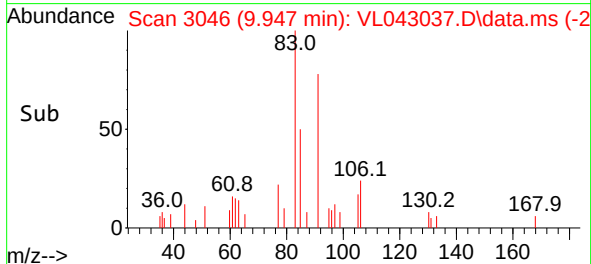
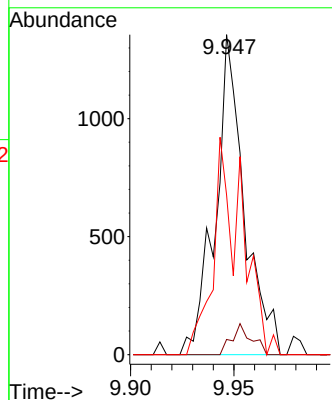
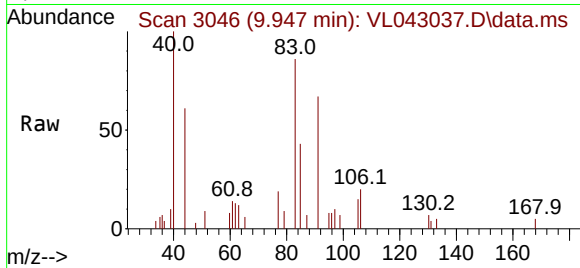




#63  
1,1,2-Tetrachloroethane  
Concen: 0.035 ppbv  
RT: 9.947 min Scan# 3046  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

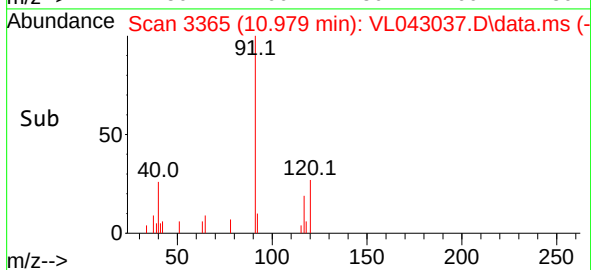
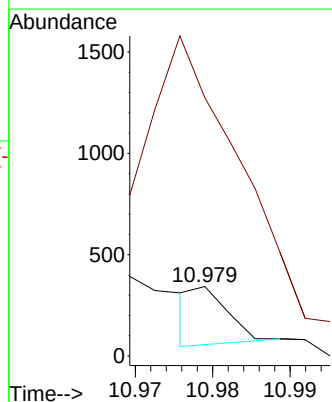
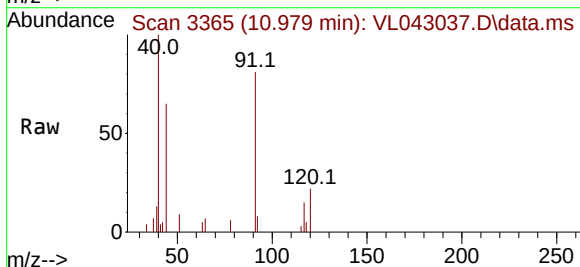
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

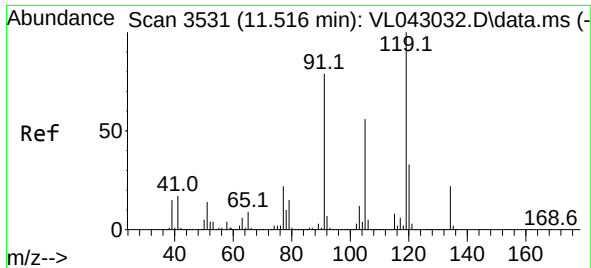
Tgt Ion: 83 Resp: 1322  
Ion Ratio Lower Upper  
83 100  
131 6.5 4.7 14.1  
85 67.2 32.0 96.2



#64  
n-propylbenzene  
Concen: 0.004 ppbv  
RT: 10.979 min Scan# 3365  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 120 Resp: 89  
Ion Ratio Lower Upper  
120 100  
91 2070.8 367.0 550.4#

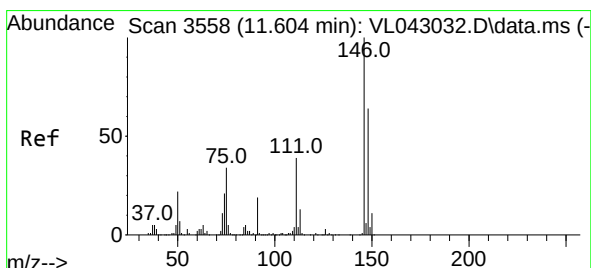
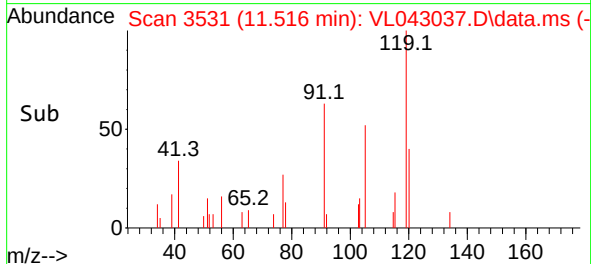
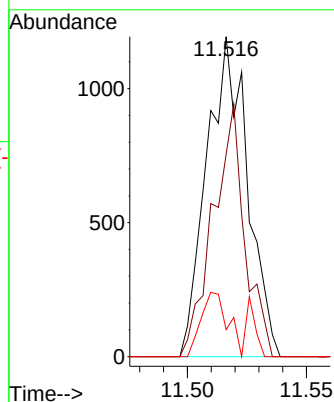
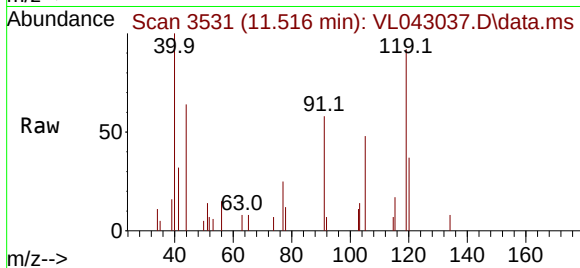




#65  
tert-Butylbenzene  
Concen: 0.020 ppbv  
RT: 11.516 min Scan# 3531  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

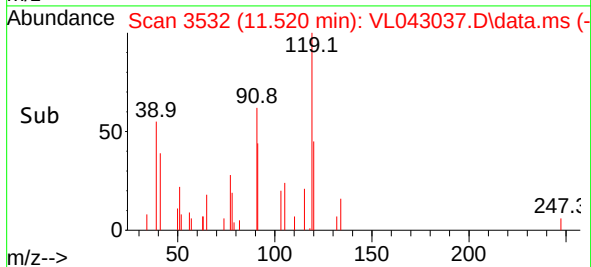
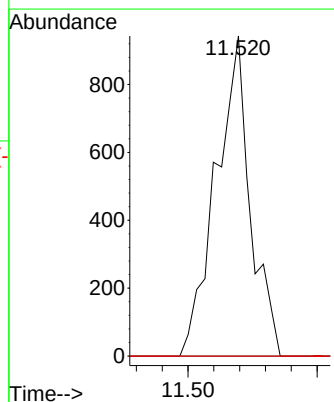
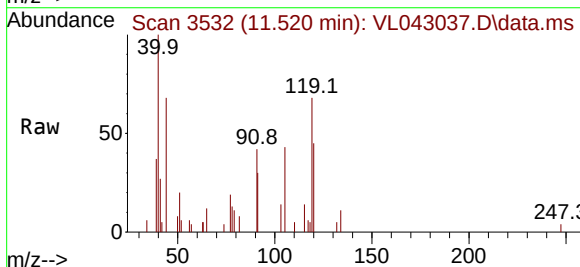
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.03

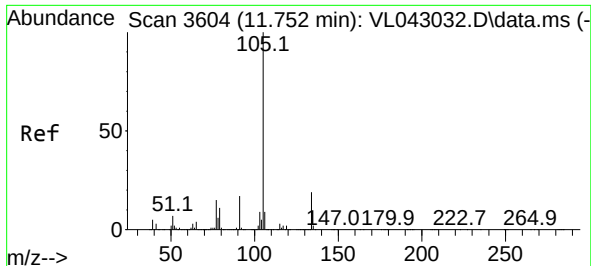
Tgt Ion:119 Resp: 1416  
Ion Ratio Lower Upper  
119 100  
91 61.6 63.1 94.7#  
134 17.4 16.9 25.3



#66  
Benzyl Chloride  
Concen: 0.310 ppbv  
RT: 11.520 min Scan# 3532  
Delta R.T. -0.084 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 91 Resp: 871  
Ion Ratio Lower Upper  
91 100  
126 0.0 14.2 21.4#  
128 4.9 4.8 7.2

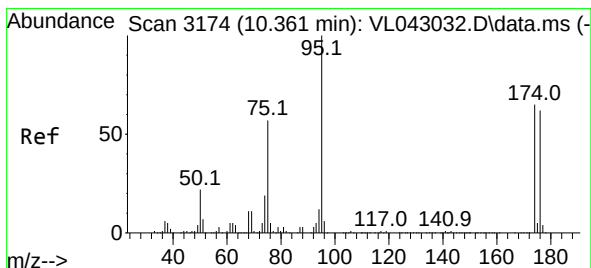
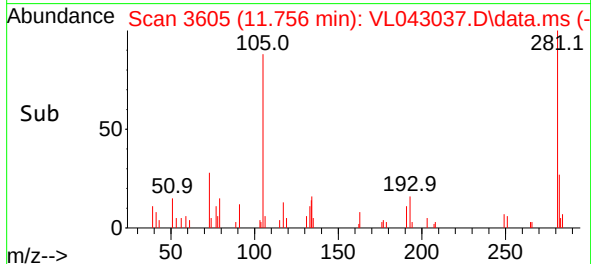
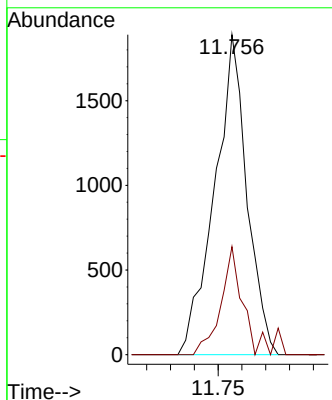
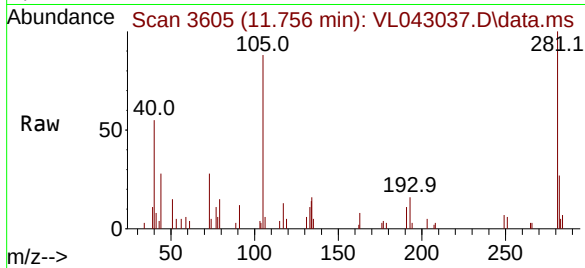




#67  
 sec-Butylbenzene  
 Concen: 0.018 ppbv  
 RT: 11.756 min Scan# 3605  
 Delta R.T. 0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

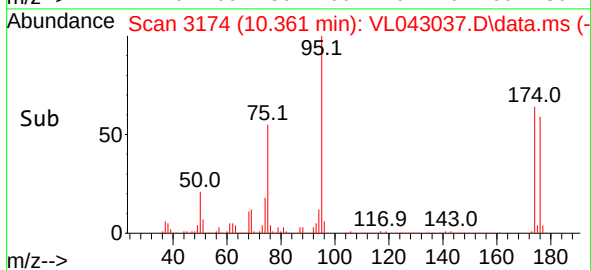
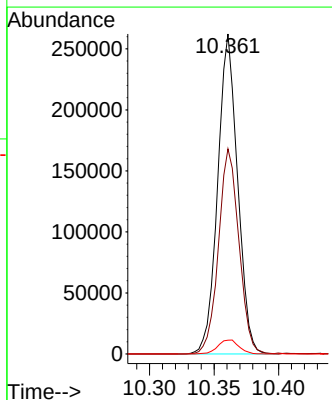
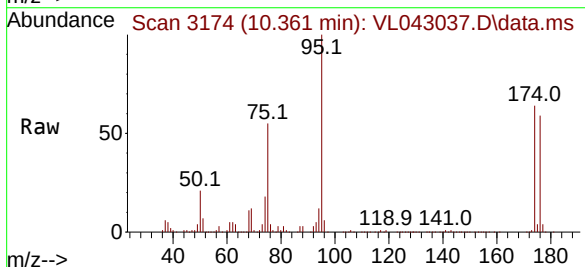
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

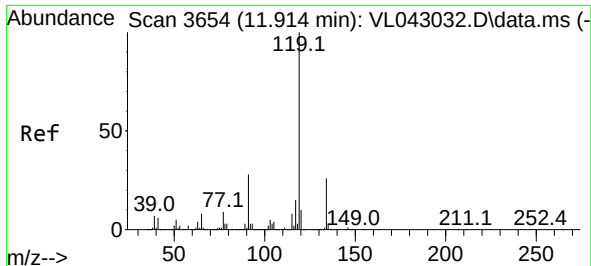
Tgt Ion:105 Resp: 1780  
 Ion Ratio Lower Upper  
 105 100  
 134 24.6 15.2 22.8#



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.552 ppbv  
 RT: 10.361 min Scan# 3174  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 95 Resp: 280877  
 Ion Ratio Lower Upper  
 95 100  
 174 66.1 52.3 78.5  
 175 4.7 3.8 5.8

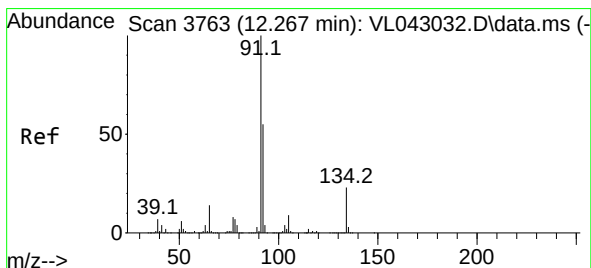
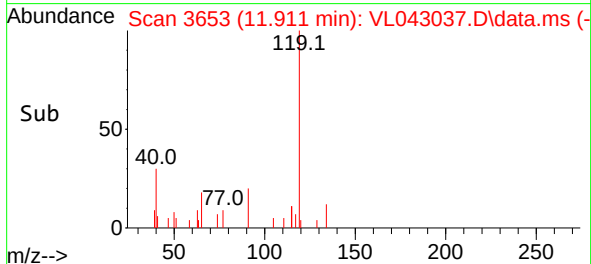
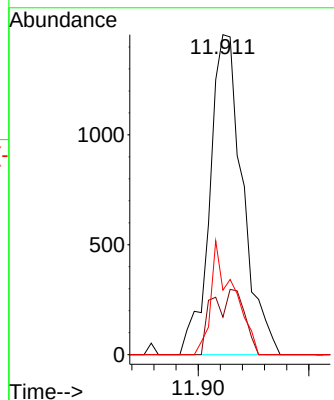
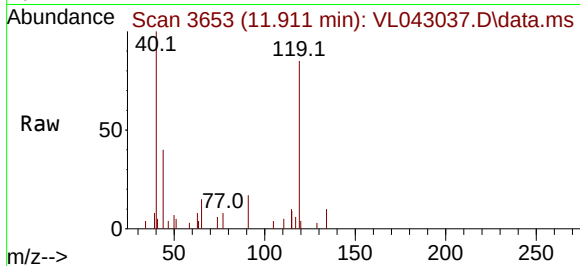




#69  
 p-Isopropyltoluene  
 Concen: 0.018 ppbv  
 RT: 11.911 min Scan# 3653  
 Delta R.T. -0.003 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

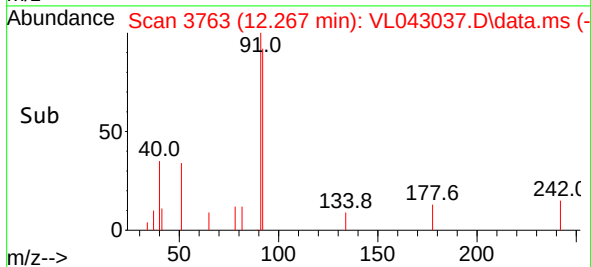
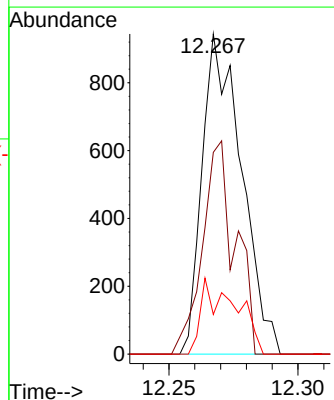
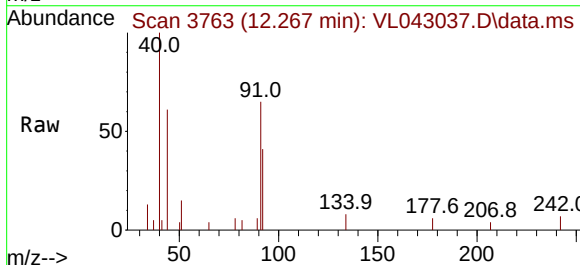
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03

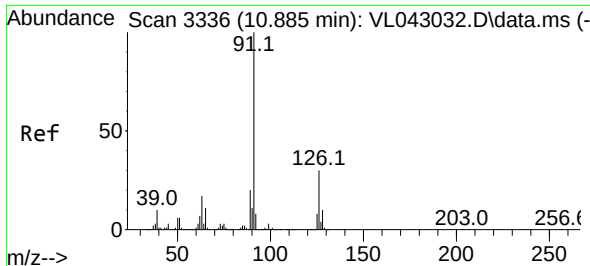
Tgt Ion:119 Resp: 1493  
 Ion Ratio Lower Upper  
 119 100  
 134 20.0 20.5 30.7#  
 91 24.6 22.6 33.8



#70  
 n-Butylbenzene  
 Concen: 0.013 ppbv  
 RT: 12.267 min Scan# 3763  
 Delta R.T. 0.000 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Tgt Ion: 91 Resp: 1002  
 Ion Ratio Lower Upper  
 91 100  
 92 55.3 43.9 65.9  
 134 20.8 18.9 28.3

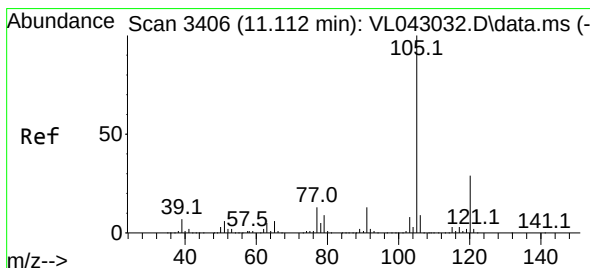
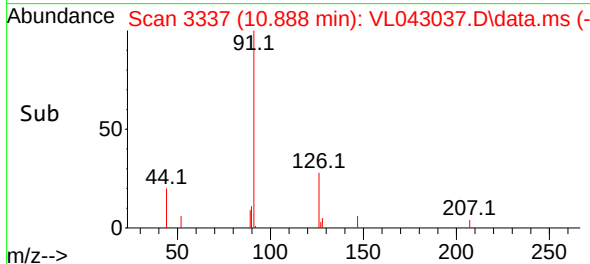
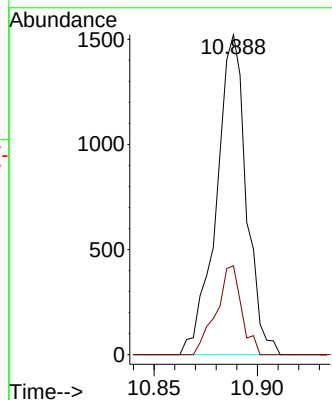
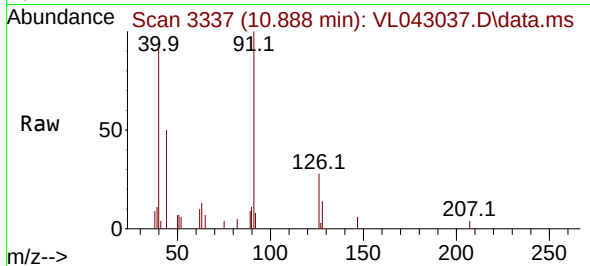




#71  
2-Chlorotoluene  
Concen: 0.026 ppbv  
RT: 10.888 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

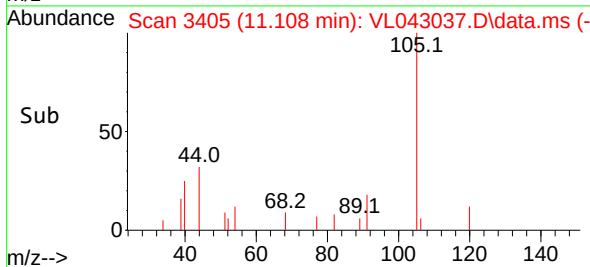
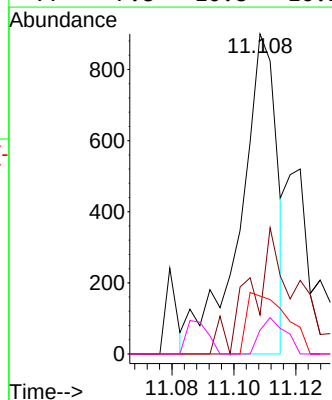
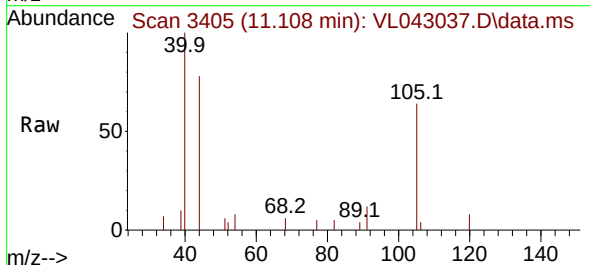
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

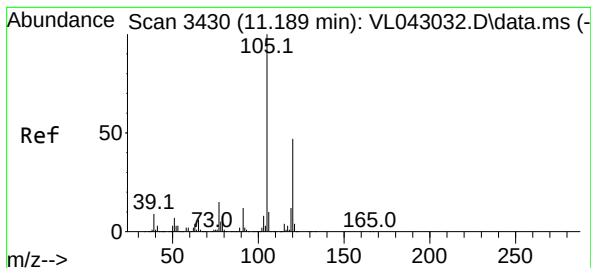
Tgt Ion: 91 Resp: 1542  
Ion Ratio Lower Upper  
91 100  
126 23.3 12.2 48.6



#72  
4-Ethyltoluene  
Concen: 0.012 ppbv  
RT: 11.108 min Scan# 3405  
Delta R.T. -0.003 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion: 105 Resp: 746  
Ion Ratio Lower Upper  
105 100  
120 47.7 23.5 35.3#  
91 20.4 10.4 15.6#  
77 7.8 10.8 16.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.021 ppbv

RT: 11.189 min Scan# 3430

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

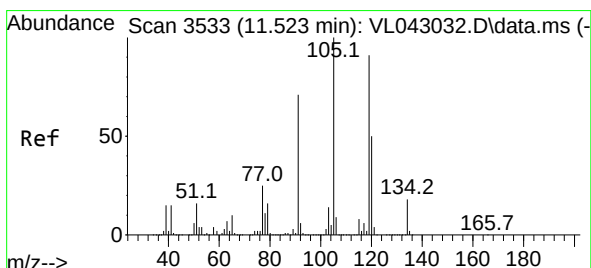
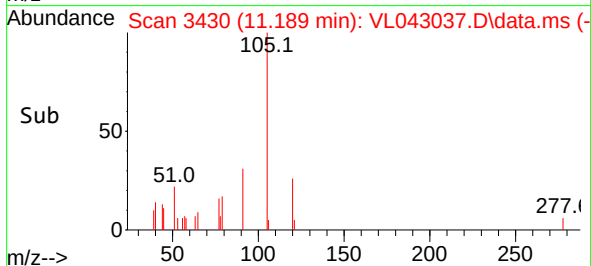
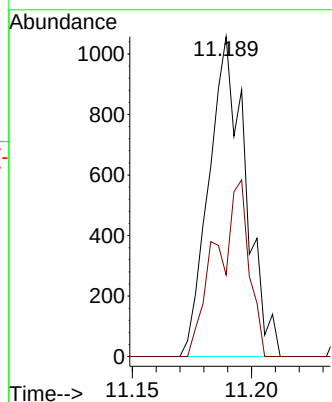
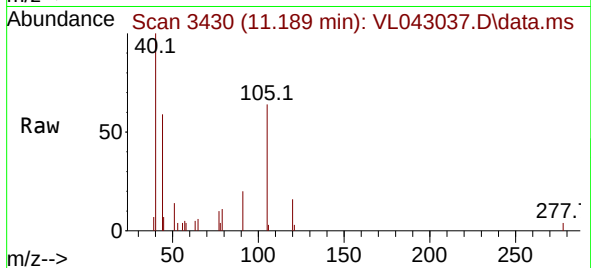
VSTDICC0.03

Tgt Ion:105 Resp: 1128

Ion Ratio Lower Upper

105 100

120 25.5 37.5 56.3#



#74

1,2,4-Trimethylbenzene

Concen: 0.009 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Tgt Ion:105 Resp: 568

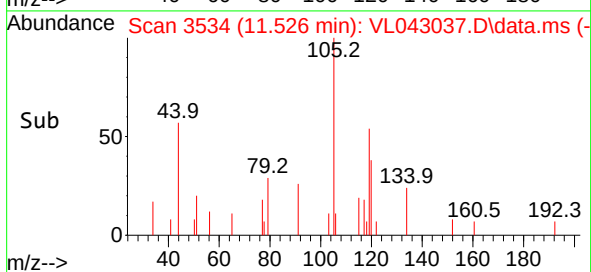
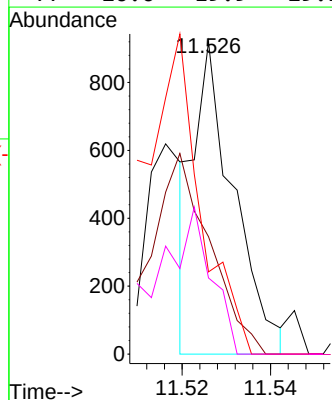
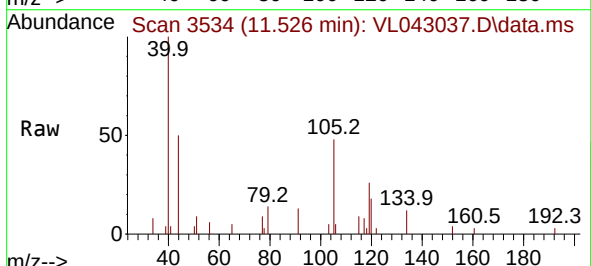
Ion Ratio Lower Upper

105 100

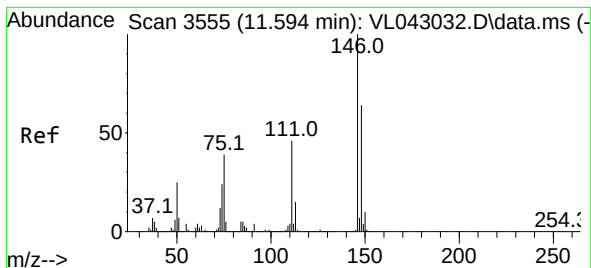
120 41.0 39.7 59.5

91 28.7 56.5 84.7#

77 26.6 19.9 29.9







#75

1,3-Dichlorobenzene

Concen: 0.020 ppbv

RT: 11.597 min Scan# 3555

Delta R.T. 0.003 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.03

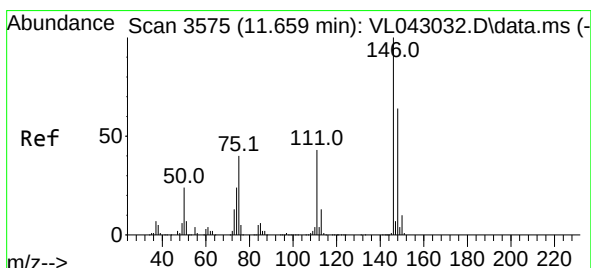
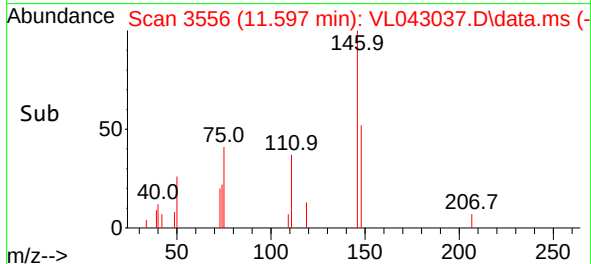
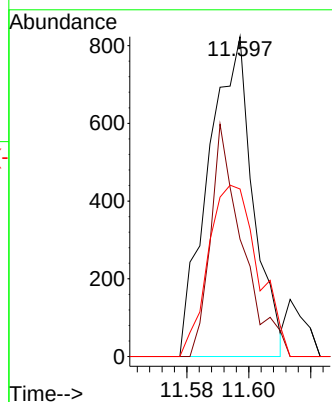
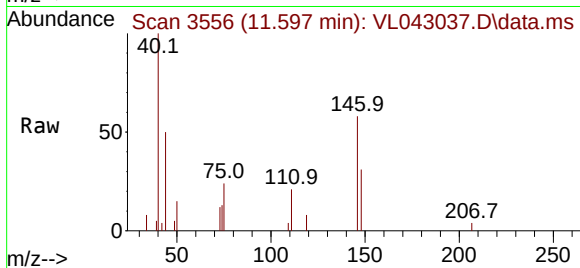
Tgt Ion:146 Resp: 823

Ion Ratio Lower Upper

146 100

111 51.8 22.6 67.7

148 59.7 31.9 95.7



#76

1,4-Dichlorobenzene

Concen: 0.013 ppbv

RT: 11.659 min Scan# 3575

Delta R.T. 0.000 min

Lab File: VL043037.D

Acq: 02 Oct 2025 13:07

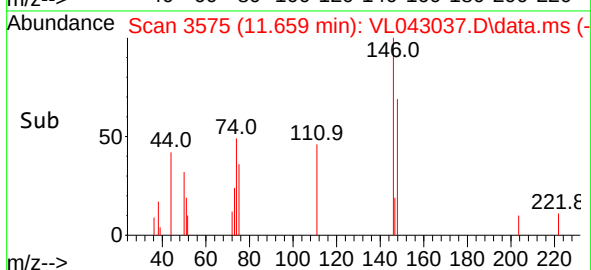
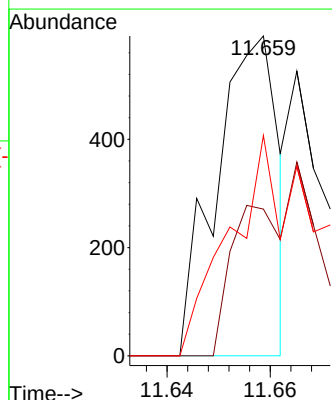
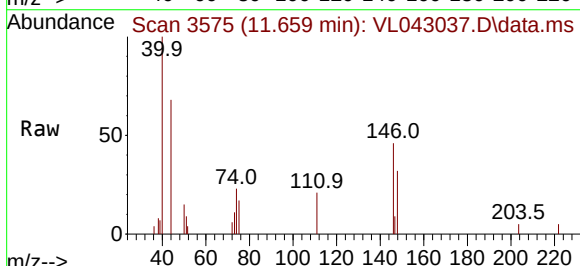
Tgt Ion:146 Resp: 493

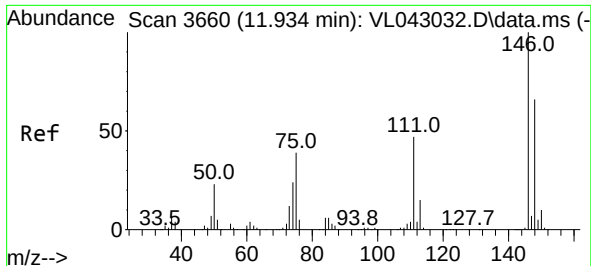
Ion Ratio Lower Upper

146 100

111 0.0 21.7 65.1#

148 90.3 32.1 96.3

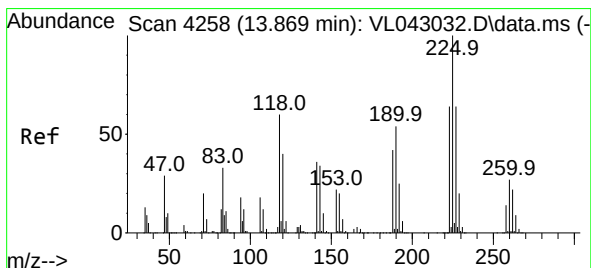
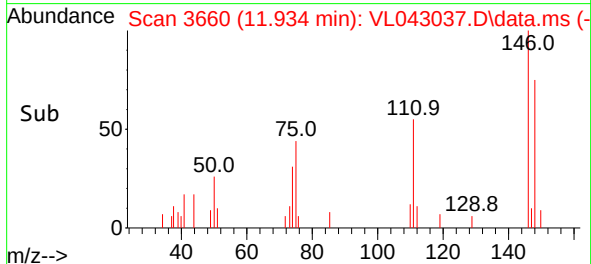
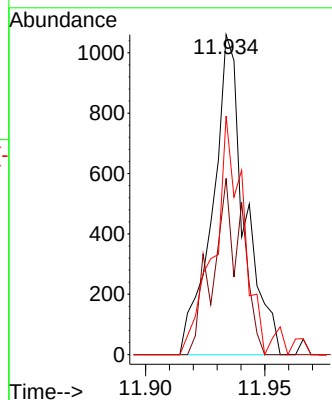
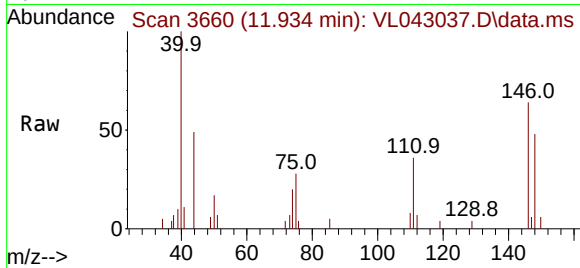




#77  
1,2-Dichlorobenzene  
Concen: 0.025 ppbv  
RT: 11.934 min Scan# 3660  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

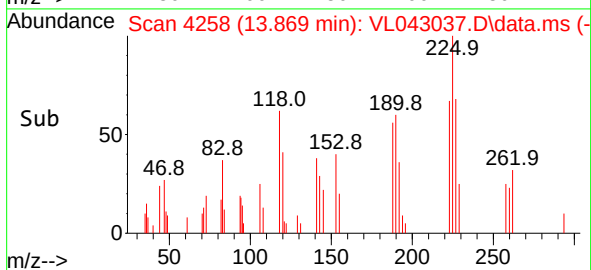
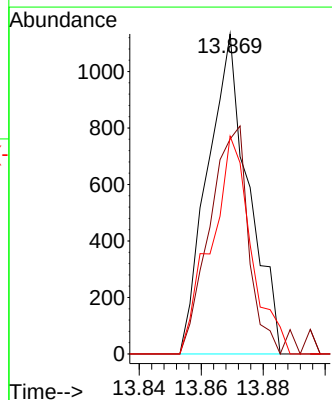
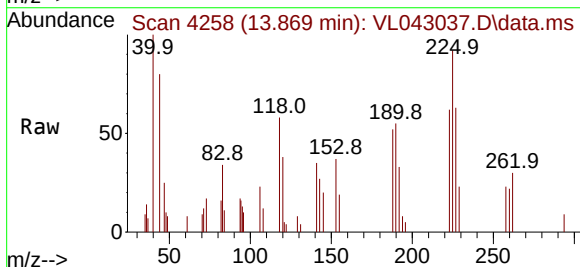
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

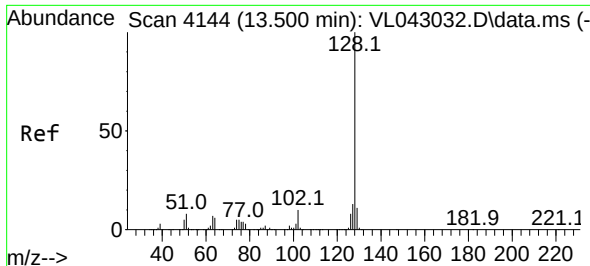
Tgt Ion:146 Resp: 996  
Ion Ratio Lower Upper  
146 100  
111 50.2 23.2 69.5  
148 69.7 31.9 95.7



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.037 ppbv  
RT: 13.869 min Scan# 4258  
Delta R.T. 0.000 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

Tgt Ion:225 Resp: 1038  
Ion Ratio Lower Upper  
225 100  
223 70.8 50.9 76.3  
227 66.9 50.9 76.3

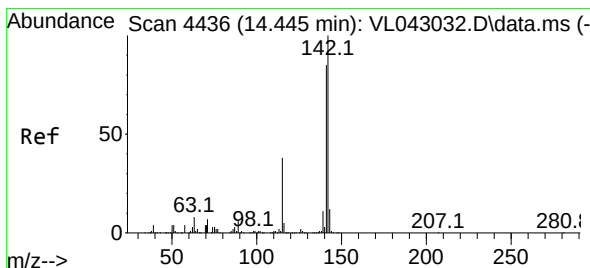
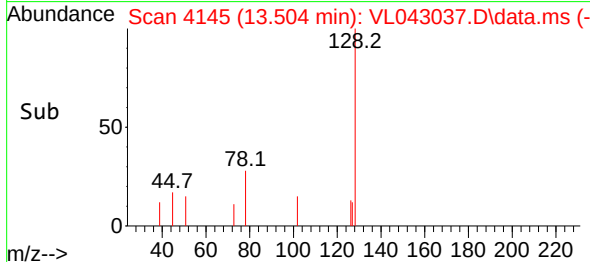
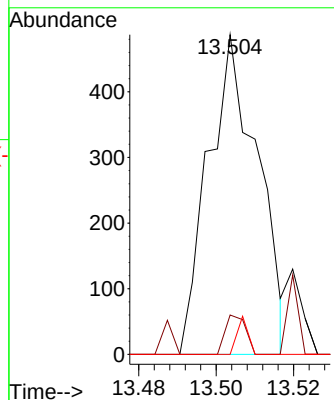
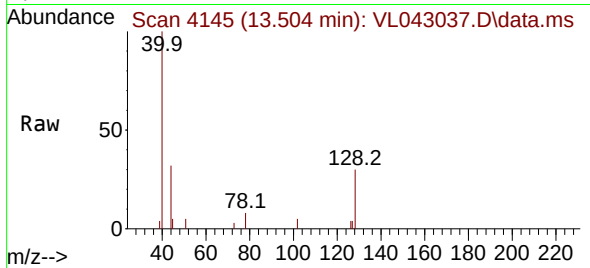




#79  
Naphthalene  
Concen: 0.243 ppbv  
RT: 13.504 min Scan# 4144  
Delta R.T. 0.004 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

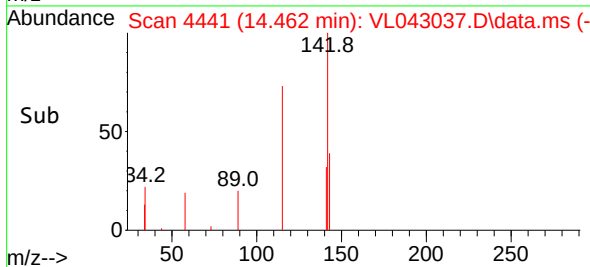
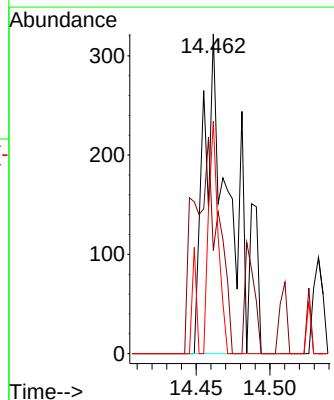
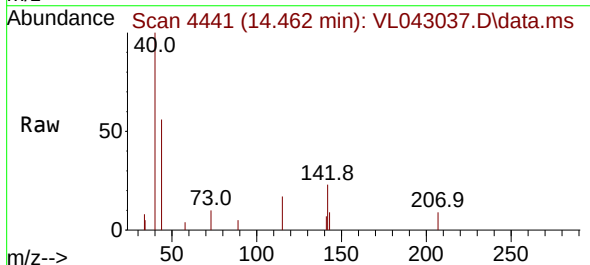
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

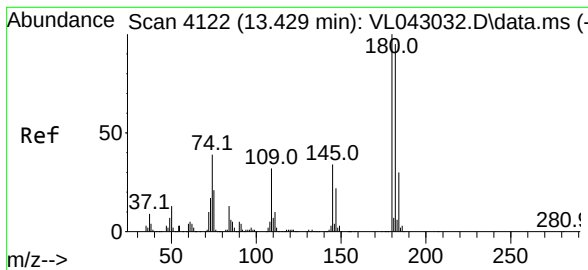
Tgt Ion:128 Resp: 431  
Ion Ratio Lower Upper  
128 100  
127 12.3 10.6 16.0  
129 0.0 8.8 13.2#



#80  
Naphthalene,2-methyl-  
Concen: 0.678 ppbv  
RT: 14.462 min Scan# 4441  
Delta R.T. 0.017 min  
Lab File: VL043037.D  
Acq: 02 Oct 2025 13:07

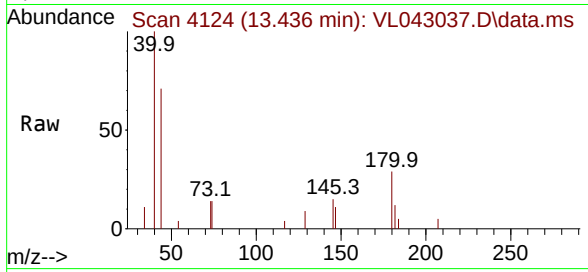
Tgt Ion:142 Resp: 411  
Ion Ratio Lower Upper  
142 100  
141 76.6 66.6 100.0  
115 30.9 30.1 45.1





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.004 ppbv  
 RT: 13.436 min Scan# 41  
 Delta R.T. 0.007 min  
 Lab File: VL043037.D  
 Acq: 02 Oct 2025 13:07

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.03



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 102    |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 170.6 | 76.9  | 115.3# |
| 184      | 0.0   | 23.9  | 35.9#  |

