

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
 Data File : VL041885.D  
 Acq On : 10 Jan 2025 01:18  
 Operator : SY/MD  
 Sample : MDL 0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 10 03:15:31 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M

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

QLast Update : Fri Jan 10 00:31:30 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.800 | 49   | 107882   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.978 | 114  | 326190   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.898 | 117  | 288647   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.390 95 235590 10.179 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.800%

#### Target Compounds

|                               |       |     |        |         |        | Qvalue |
|-------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.506 | 85  | 1136   | 0.064   | ppbv # | 84     |
| 3) Chlorodifluoromethane      | 1.480 | 51  | 1020   | 0.052   | ppbv # | 46     |
| 4) Chloromethane              | 1.541 | 50  | 786    | 0.114   | ppbv # | 82     |
| 5) Vinyl Chloride             | 1.586 | 62  | 383    | 0.052   | ppbv # | 85     |
| 6) Bromomethane               | 1.674 | 94  | 341    | 0.099   | ppbv # | 48     |
| 7) Chloroethane               | 1.709 | 64  | 96     | 0.034   | ppbv # | 38     |
| 8) Dichlorotetrafluoroethane  | 1.561 | 85  | 744    | 0.048   | ppbv # | 60     |
| 9) Propene                    | 1.781 | 41  | 372    | 0.041   | ppbv   | 87     |
| 10) Heptane                   | 5.011 | 43  | 254    | 0.011   | ppbv # | 1      |
| 11) Trichlorofluoromethane    | 1.887 | 101 | 890    | 0.049   | ppbv # | 66     |
| 12) 1,1,2-Trichlorotrifluo... | 2.150 | 101 | 414    | 0.028   | ppbv # | 12     |
| 13) Ethanol                   | 1.434 | 45  | 109069 | 189.179 | ppbv   | 83     |
| 14) Bromoethene               | 1.784 | 108 | 246    | 0.047   | ppbv # | 31     |
| 15) Acetone                   | 1.842 | 43  | 3793   | 0.208   | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 412    | 0.053   | ppbv # | 53     |
| 17) tert-Butyl alcohol        | 2.056 | 59  | 976    | 0.047   | ppbv # | 56     |
| 18) 1,1-Dichloroethene        | 2.043 | 96  | 436    | 0.065   | ppbv # | 38     |
| 19) Isopropyl Alcohol         | 1.434 | 45  | 109069 | 11.405  | ppbv # | 30     |
| 20) Methylene Chloride        | 2.069 | 84  | 1454   | 0.234   | ppbv   | 93     |
| 21) Allyl Chloride            | 2.104 | 41  | 860    | 0.074   | ppbv # | 62     |
| 22) trans-1,2-Dichloroethene  | 2.735 | 96  | 399    | 0.052   | ppbv   | 84     |
| 23) Vinyl Acetate             | 2.467 | 43  | 663    | 0.072   | ppbv # | 34     |
| 24) 1,1-Dichloroethane        | 2.418 | 63  | 567    | 0.039   | ppbv # | 88     |
| 25) Ethyl Acetate             | 2.858 | 43  | 1392   | 0.031   | ppbv # | 86     |
| 26) Hexane                    | 2.842 | 57  | 409    | 0.022   | ppbv # | 1      |
| 27) Carbon Disulfide          | 2.159 | 76  | 674    | 0.038   | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.451 | 73  | 160    | 0.011   | ppbv # | 1      |
| 29) Chloroform                | 2.858 | 83  | 786    | 0.030   | ppbv   | 88     |
| 30) Cyclohexane               | 3.875 | 84  | 448    | 0.028   | ppbv # | 16     |
| 31) cis-1,2-Dichloroethene    | 2.735 | 61  | 256    | 0.014   | ppbv # | 90     |
| 32) 1,1,1-Trichloroethane     | 3.389 | 97  | 374    | 0.014   | ppbv # | 27     |
| 34) 2-Butanone                | 2.577 | 43  | 1881   | 0.069   | ppbv # | 81     |
| 35) Carbon Tetrachloride      | 3.781 | 117 | 544    | 0.021   | ppbv # | 31     |
| 36) Benzene                   | 3.677 | 78  | 365    | 0.010   | ppbv # | 76     |
| 37) 1,2-Dichloroethane        | 3.234 | 62  | 432    | 0.022   | ppbv # | 73     |
| 38) Trichloroethene           | 4.571 | 130 | 187    | 0.013   | ppbv # | 7      |
| 39) 1,2-Dichloropropane       | 3.975 | 63  | 84020  | 6.241   | ppbv # | 24     |
| 40) 1,4-Dioxane               | 4.645 | 88  | 63     | 0.009   | ppbv # | 17     |
| 41) Tetrahydrofuran           | 3.079 | 42  | 175    | 0.011   | ppbv # | 37     |
| 42) Bromodichloromethane      | 4.512 | 83  | 453    | 0.017   | ppbv # | 85     |
| 43) Methyl Methacrylate       | 4.910 | 69  | 247    | 0.016   | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane    | 4.671 | 57  | 741    | 0.012   | ppbv # | 43     |
| 45) t-1,3-Dichloropropene     | 6.441 | 75  | 137    | 0.009   | ppbv # | 45     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL010925\  
 Data File : VL041885.D  
 Acq On : 10 Jan 2025 01:18  
 Operator : SY/MD  
 Sample : MDL 0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

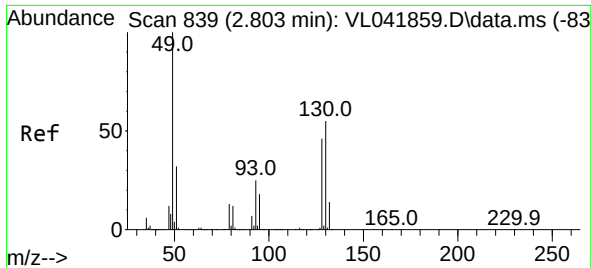
Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 10 03:15:31 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL010925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Jan 10 00:31:30 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|-------|-------|----------|-----|
| 46) cis-1,3-Dichloropropene   | 5.626  | 75   | 193      | 0.009 | ppbv  | #        | 83  |
| 47) 1,1,2-Trichloroethane     | 6.606  | 97   | 117      | 0.008 | ppbv  | #        | 40  |
| 48) Dibromochloromethane      | 7.425  | 129  | 57       | 0.003 | ppbv  |          | 60  |
| 49) Bromoform                 | 9.494  | 173  | 317      | 0.017 | ppbv  | #        | 28  |
| 50) 4-Methyl-2-Pentanone      | 5.791  | 43   | 162      | 0.004 | ppbv  | #        | 38  |
| 51) 2-Hexanone                | 7.471  | 43   | 549      | 0.017 | ppbv  | #        | 18  |
| 52) Tetrachloroethene         | 8.241  | 164  | 392      | 0.027 | ppbv  | #        | 56  |
| 53) Toluene                   | 6.959  | 91   | 1540     | 0.034 | ppbv  |          | 85  |
| 54) 1,2-Dibromoethane         | 7.684  | 107  | 118      | 0.006 | ppbv  |          | 90  |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 352      | 0.020 | ppbv  | #        | 8   |
| 57) Chlorobenzene             | 8.943  | 112  | 459      | 0.014 | ppbv  | #        | 54  |
| 58) Ethyl Benzene             | 9.364  | 91   | 1900     | 0.032 | ppbv  |          | 98  |
| 59) m/p-Xylene                | 9.552  | 91   | 597      | 0.013 | ppbv  | #        | 100 |
| 60) o-Xylene                  | 9.976  | 91   | 1561     | 0.033 | ppbv  |          | 100 |
| 61) Styrene                   | 9.888  | 104  | 238      | 0.010 | ppbv  | #        | 1   |
| 62) Isopropylbenzene          | 10.558 | 105  | 1048     | 0.015 | ppbv  | #        | 33  |
| 63) 1,1,2,2-Tetrachloroethane | 9.976  | 83   | 1239     | 0.044 | ppbv  | #        | 90  |
| 64) n-propylbenzene           | 11.005 | 120  | 378      | 0.021 | ppbv  | #        | 1   |
| 65) tert-Butylbenzene         | 11.546 | 119  | 1819     | 0.029 | ppbv  | #        | 89  |
| 66) Benzyl Chloride           | 11.633 | 91   | 70       | 0.011 | ppbv  | #        | 66  |
| 67) sec-Butylbenzene          | 11.779 | 105  | 2987     | 0.034 | ppbv  |          | 93  |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 2466     | 0.033 | ppbv  | #        | 89  |
| 70) n-Butylbenzene            | 12.293 | 91   | 2118     | 0.028 | ppbv  |          | 95  |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 1581     | 0.029 | ppbv  |          | 98  |
| 72) 4-Ethyltoluene            | 11.135 | 105  | 887      | 0.015 | ppbv  | #        | 27  |
| 73) 1,3,5-Trimethylbenzene    | 11.215 | 105  | 856      | 0.018 | ppbv  | #        | 75  |
| 74) 1,2,4-Trimethylbenzene    | 11.552 | 105  | 645      | 0.012 | ppbv  | #        | 82  |
| 75) 1,3-Dichlorobenzene       | 11.620 | 146  | 896      | 0.028 | ppbv  |          | 73  |
| 76) 1,4-Dichlorobenzene       | 11.688 | 146  | 1161     | 0.037 | ppbv  |          | 93  |
| 77) 1,2-Dichlorobenzene       | 11.960 | 146  | 1186     | 0.040 | ppbv  |          | 72  |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 1180     | 0.046 | ppbv  | #        | 91  |
| 79) Naphthalene               | 13.523 | 128  | 1897     | 0.033 | ppbv  | #        | 90  |
| 80) Naphthalene,2-methyl-     | 14.475 | 142  | 711      | 0.023 | ppbv  | #        | 75  |
| 81) 1,2,4-Trichlorobenzene    | 13.452 | 180  | 944      | 0.035 | ppbv  | #        | 80  |

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

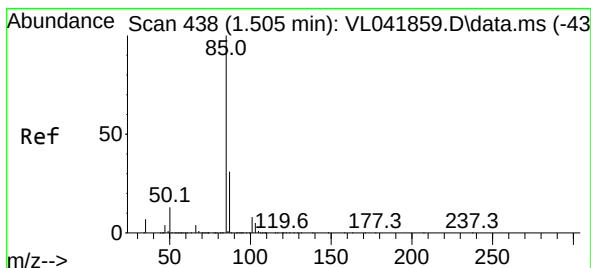
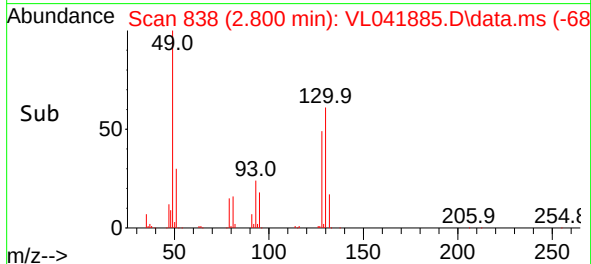
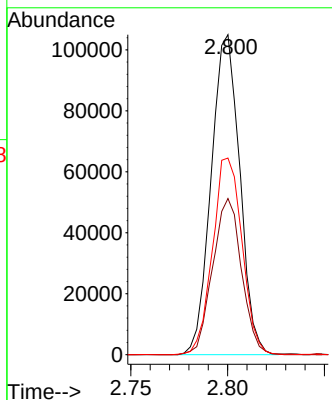
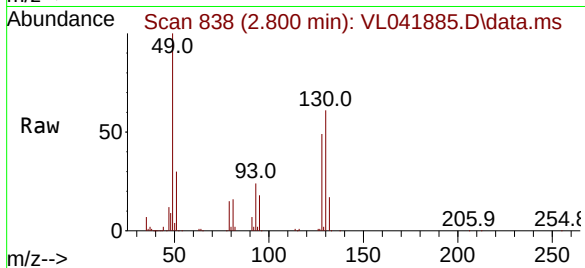




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.800 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

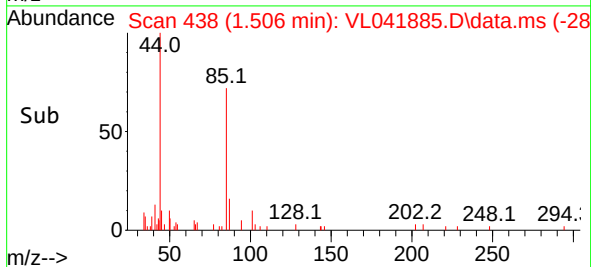
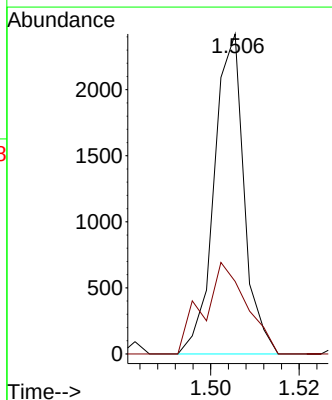
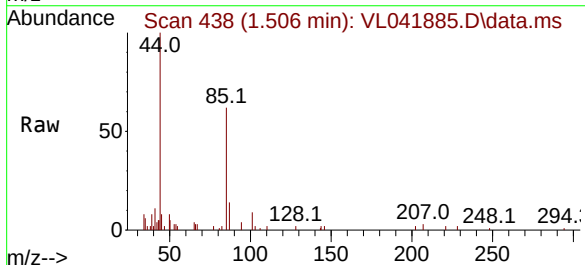
Instrument :  
MSVOA\_L  
ClientSampleId :

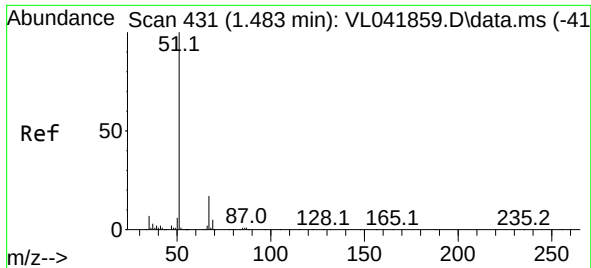
Tgt Ion: 49 Resp: 107882  
Ion Ratio Lower Upper  
49 100  
128 49.3 23.2 69.5  
130 63.6 29.9 89.8



#2  
Dichlorodifluoromethane  
Concen: 0.064 ppbv  
RT: 1.506 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 85 Resp: 1136  
Ion Ratio Lower Upper  
85 100  
87 22.6 25.2 37.8#

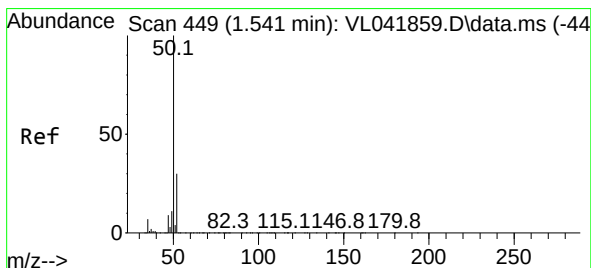
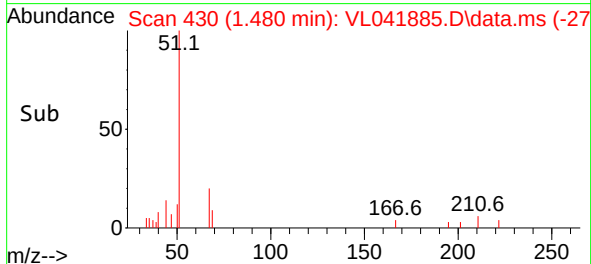
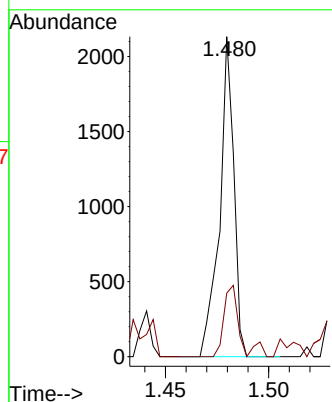
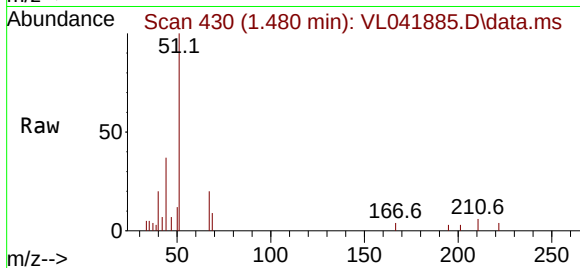




#3  
Chlorodifluoromethane  
Concen: 0.052 ppbv  
RT: 1.480 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

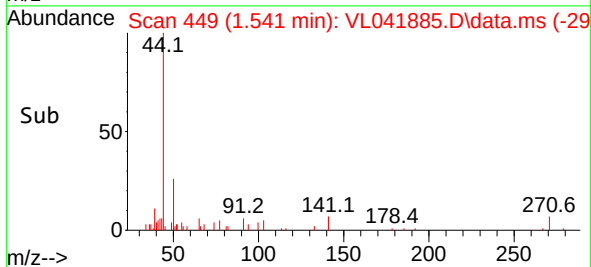
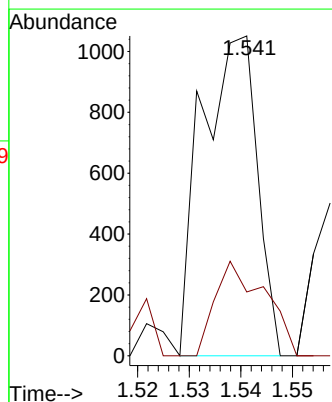
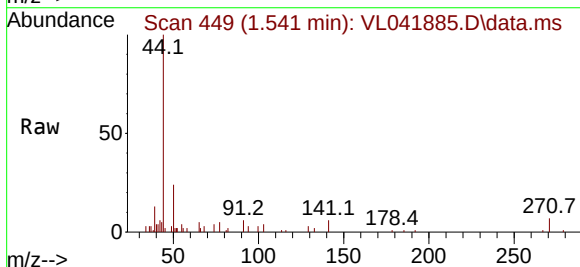
Instrument :  
MSVOA\_L  
ClientSampleId :

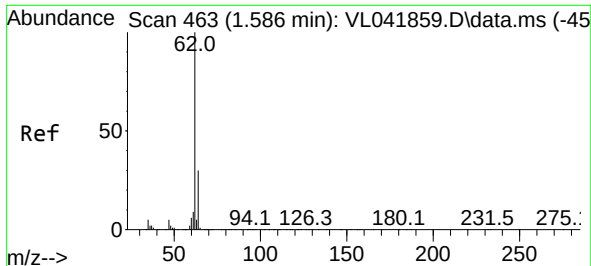
Tgt Ion: 51 Resp: 1020  
Ion Ratio Lower Upper  
51 100  
67 41.0 13.8 20.8#



#4  
Chloromethane  
Concen: 0.114 ppbv  
RT: 1.541 min Scan# 449  
Delta R.T. 0.000 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 50 Resp: 786  
Ion Ratio Lower Upper  
50 100  
52 20.0 23.9 35.9#

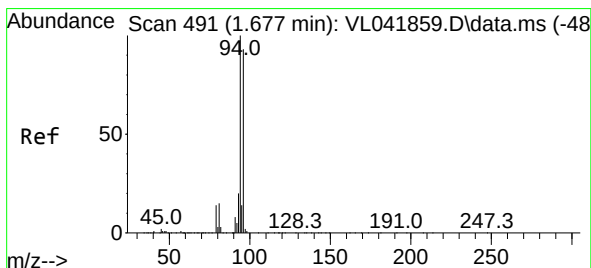
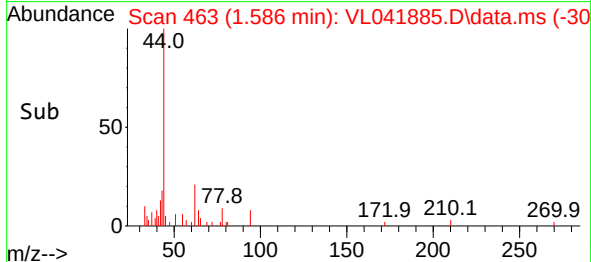
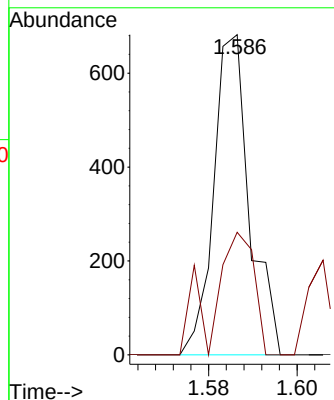
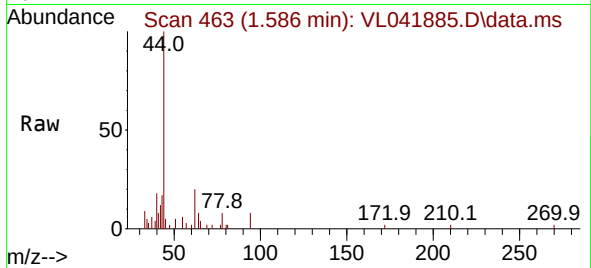




#5  
 Vinyl Chloride  
 Concen: 0.052 ppbv  
 RT: 1.586 min Scan# 40  
 Delta R.T. 0.000 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

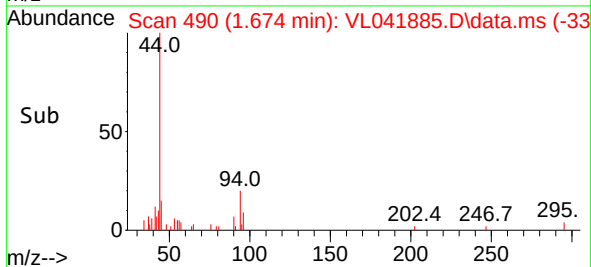
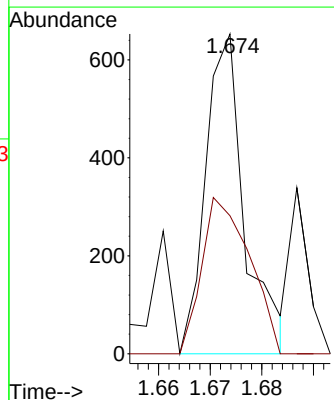
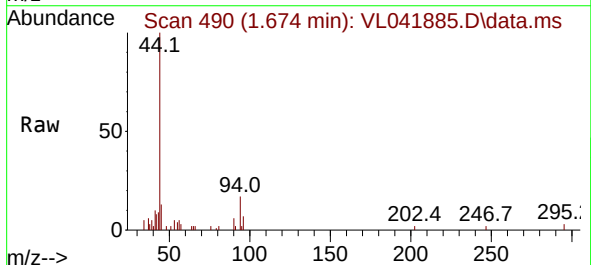
Instrument :  
 MSVOA\_L  
 ClientSampleId :

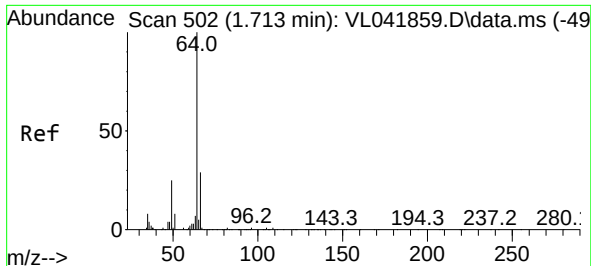
Tgt Ion: 62 Resp: 383  
 Ion Ratio Lower Upper  
 62 100  
 64 38.3 24.1 36.1#



#6  
 Bromomethane  
 Concen: 0.099 ppbv  
 RT: 1.674 min Scan# 490  
 Delta R.T. -0.003 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

Tgt Ion: 94 Resp: 341  
 Ion Ratio Lower Upper  
 94 100  
 96 43.2 74.8 112.2#

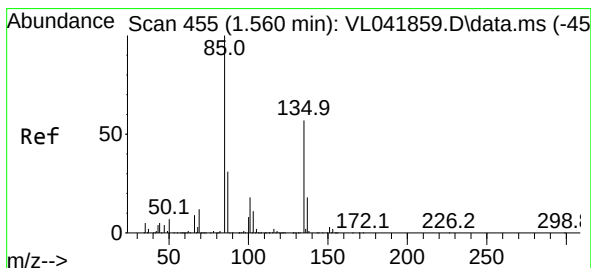
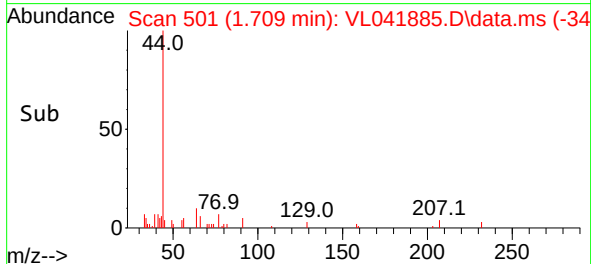
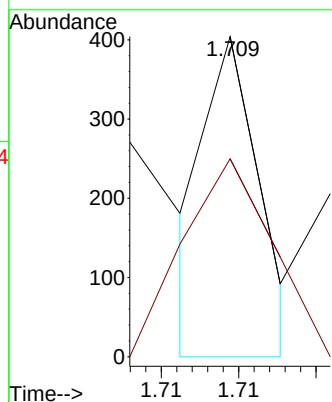
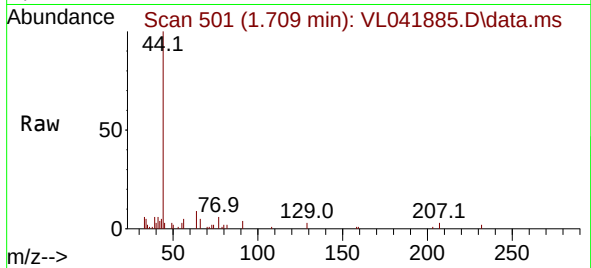




#7  
Chloroethane  
Concen: 0.034 ppbv  
RT: 1.709 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

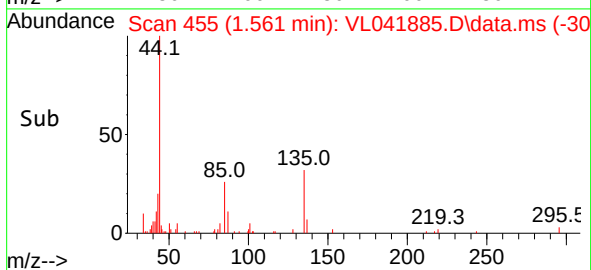
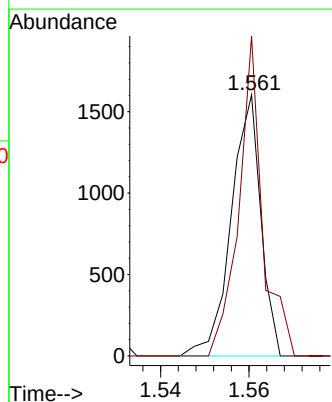
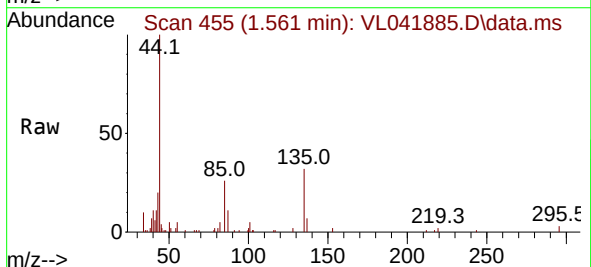
Instrument :  
MSVOA\_L  
ClientSampleId :

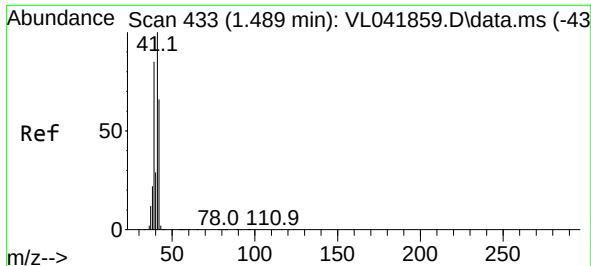
Tgt Ion: 64 Resp: 96  
Ion Ratio Lower Upper  
64 100  
66 61.9 23.0 34.6#



#8  
Dichlorotetrafluoroethane  
Concen: 0.048 ppbv  
RT: 1.561 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 85 Resp: 744  
Ion Ratio Lower Upper  
85 100  
135 97.2 52.2 78.4#





#9

Propene

Concen: 0.041 ppbv

RT: 1.781 min Scan# 51

Delta R.T. 0.291 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

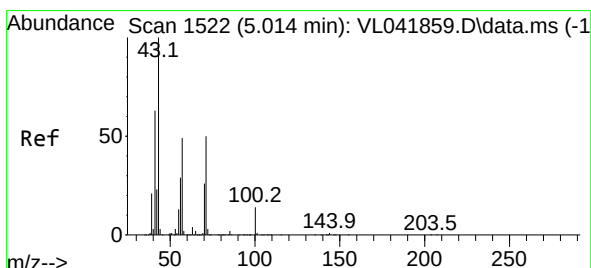
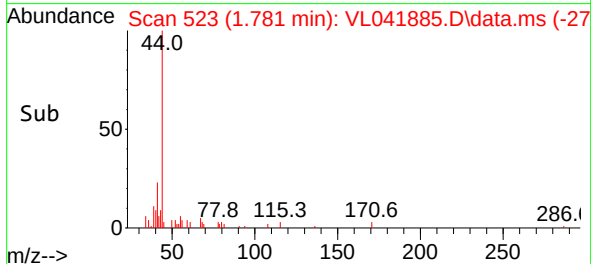
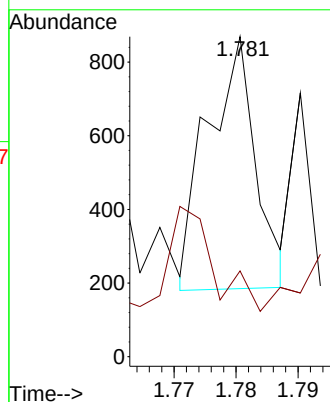
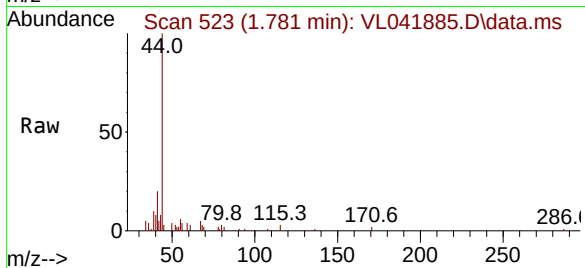
ClientSampleId :

Tgt Ion: 41 Resp: 372

Ion Ratio Lower Upper

41 100

42 55.6 53.0 79.6



#10

Heptane

Concen: 0.011 ppbv

RT: 5.011 min Scan# 1521

Delta R.T. -0.003 min

Lab File: VL041885.D

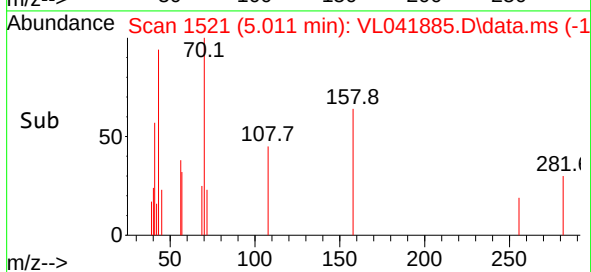
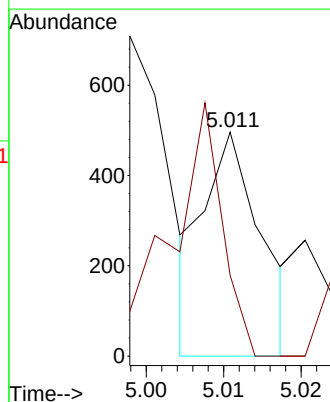
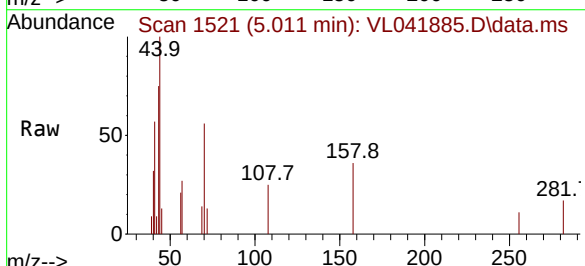
Acq: 10 Jan 2025 01:18

Tgt Ion: 43 Resp: 254

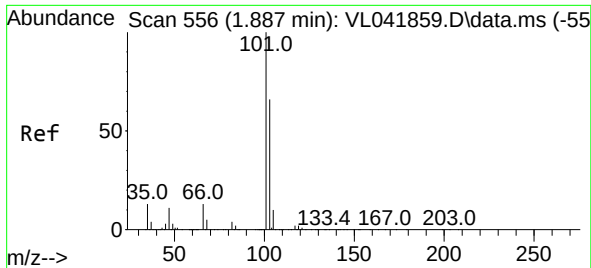
Ion Ratio Lower Upper

43 100

57 136.6 40.2 60.2#



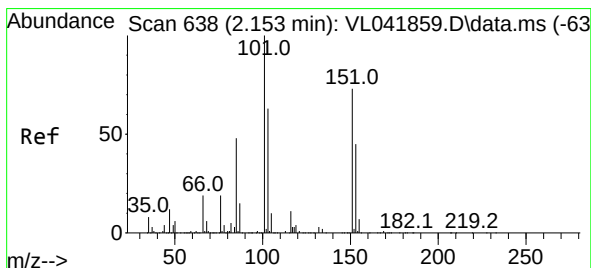
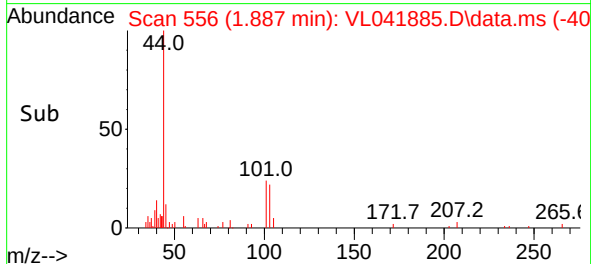
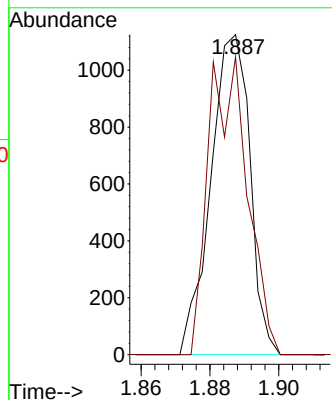
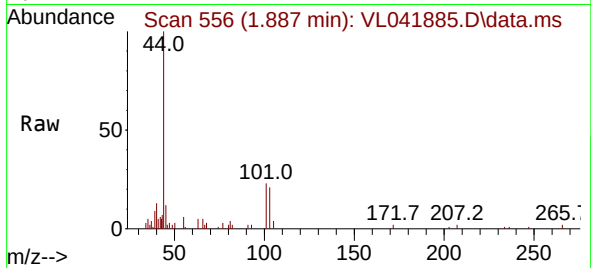




#11  
 Trichlorofluoromethane  
 Concen: 0.049 ppbv  
 RT: 1.887 min Scan# 511  
 Delta R.T. 0.000 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

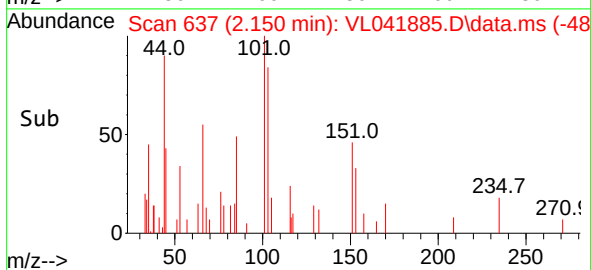
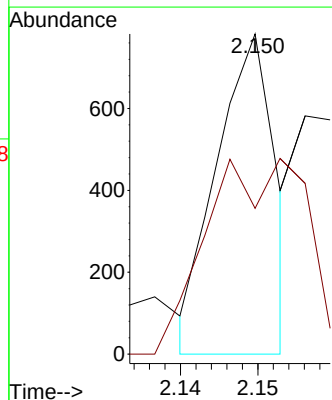
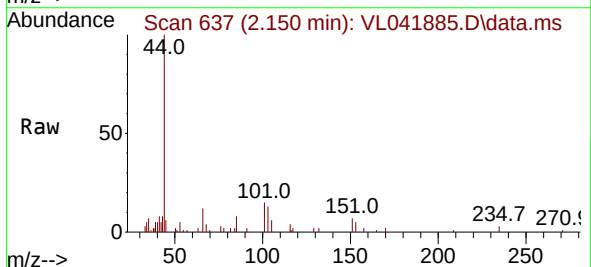
Instrument :  
 MSVOA\_L  
 ClientSampleId :

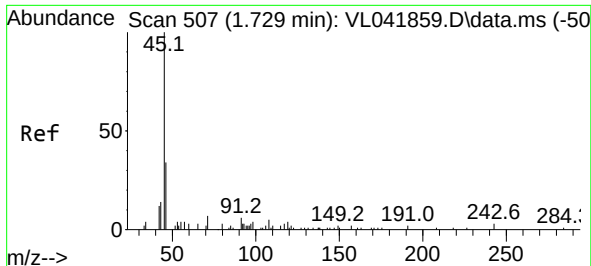
Tgt Ion:101 Resp: 890  
 Ion Ratio Lower Upper  
 101 100  
 103 93.1 52.6 78.8#



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.028 ppbv  
 RT: 2.150 min Scan# 637  
 Delta R.T. -0.003 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

Tgt Ion:101 Resp: 414  
 Ion Ratio Lower Upper  
 101 100  
 151 0.0 59.4 89.0#

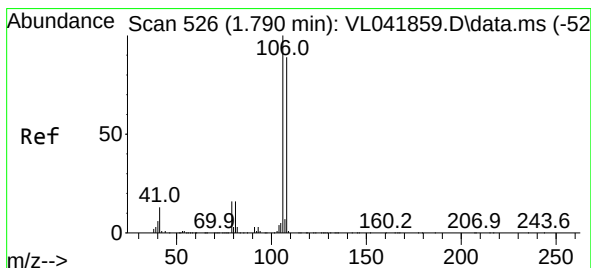
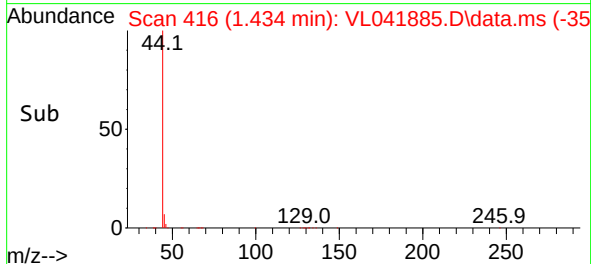
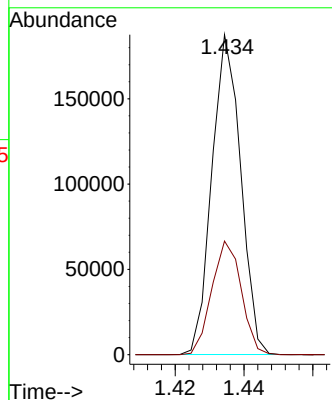
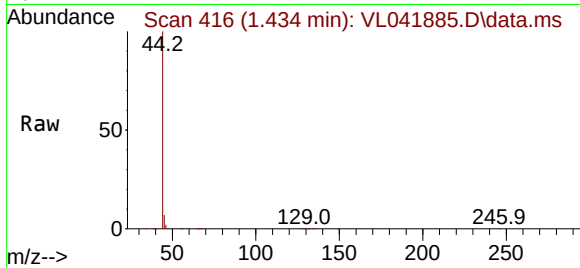




#13  
Ethanol  
Concen: 189.179 ppbv  
RT: 1.434 min Scan# 416  
Delta R.T. -0.294 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

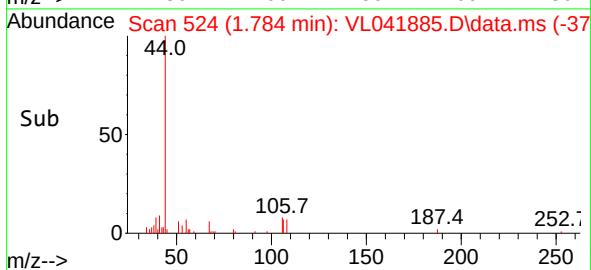
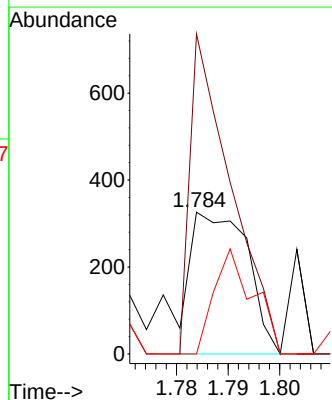
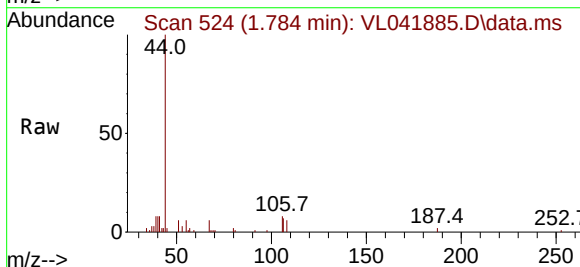
Instrument :  
MSVOA\_L  
ClientSampleId :

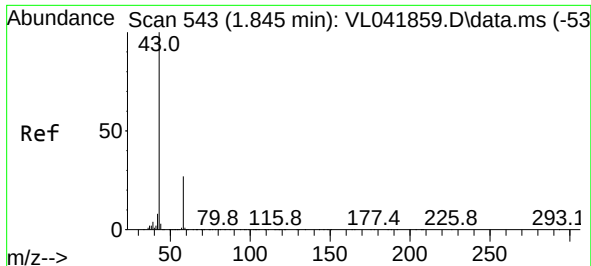
Tgt Ion: 45 Resp: 109069  
Ion Ratio Lower Upper  
45 100  
46 36.4 19.0 76.0



#14  
Bromoethene  
Concen: 0.047 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion:108 Resp: 246  
Ion Ratio Lower Upper  
108 100  
106 180.5 86.9 130.3#  
79 51.6 15.6 23.4#

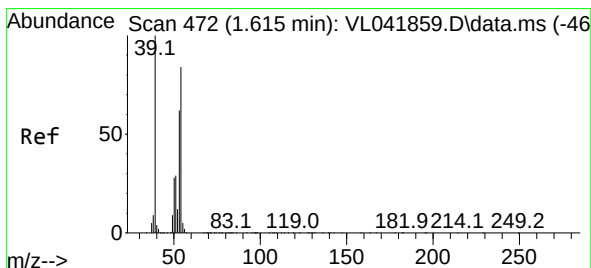
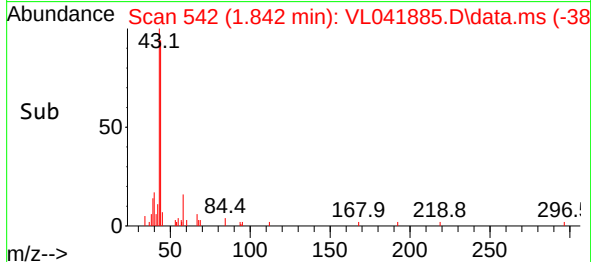
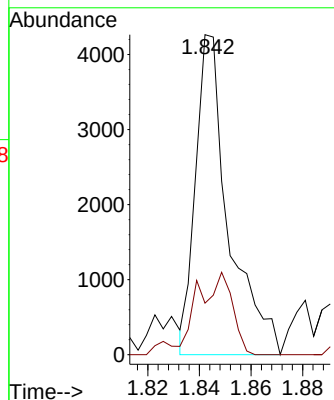
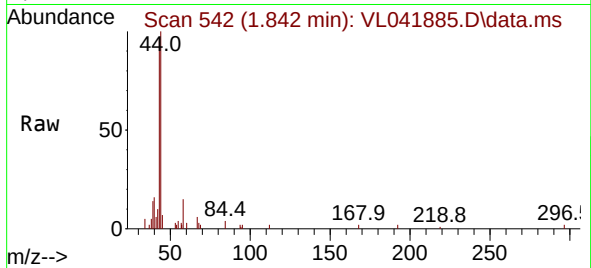




#15  
Acetone  
Concen: 0.208 ppbv  
RT: 1.842 min Scan# 54  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

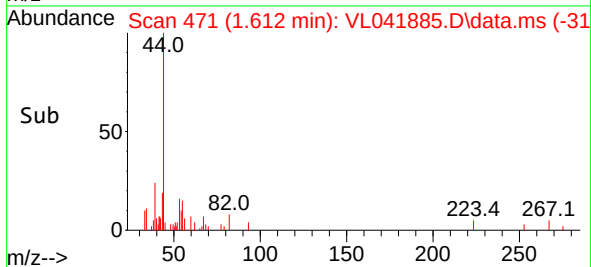
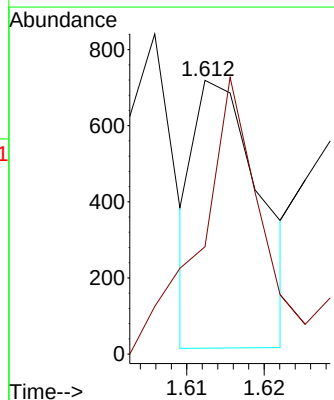
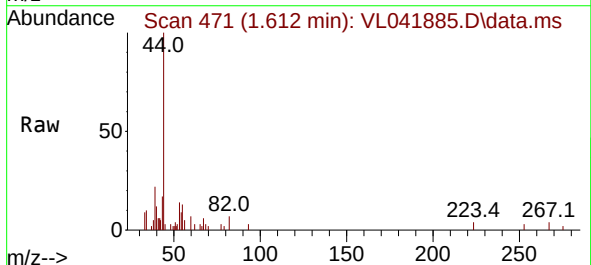
Instrument :  
MSVOA\_L  
ClientSampleId :

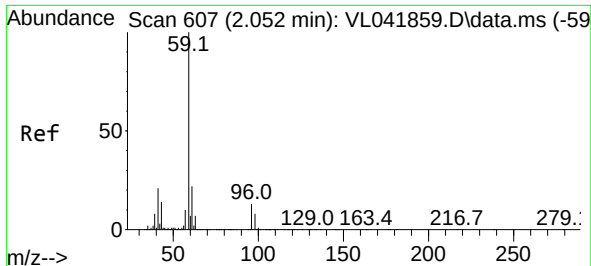
Tgt Ion: 43 Resp: 3793  
Ion Ratio Lower Upper  
43 100  
58 28.8 22.7 34.1



#16  
1,3-Butadiene  
Concen: 0.053 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 39 Resp: 412  
Ion Ratio Lower Upper  
39 100  
54 115.5 60.1 90.1#





#17

tert-Butyl alcohol

Concen: 0.047 ppbv

RT: 2.056 min Scan# 607

Delta R.T. 0.003 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

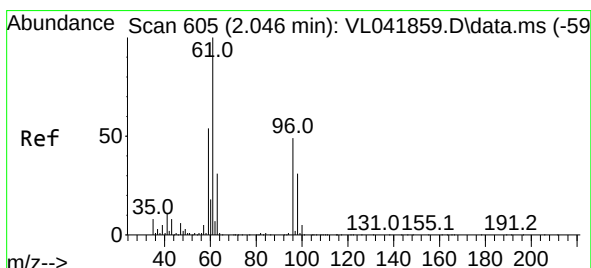
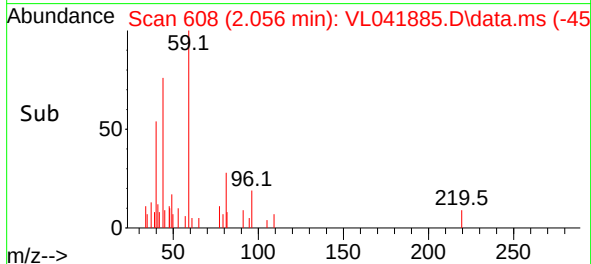
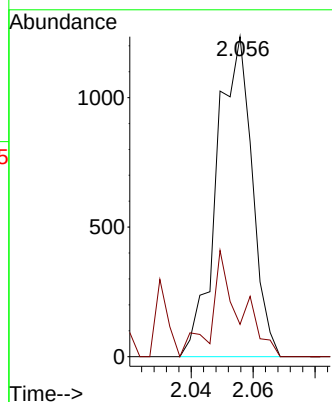
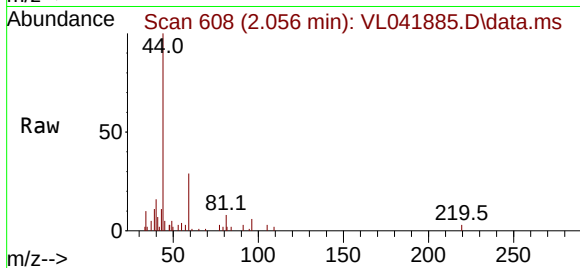
ClientSampleId :

Tgt Ion: 59 Resp: 976

Ion Ratio Lower Upper

59 100

57 26.7 8.2 12.4#



#18

1,1-Dichloroethene

Concen: 0.065 ppbv

RT: 2.043 min Scan# 604

Delta R.T. -0.003 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

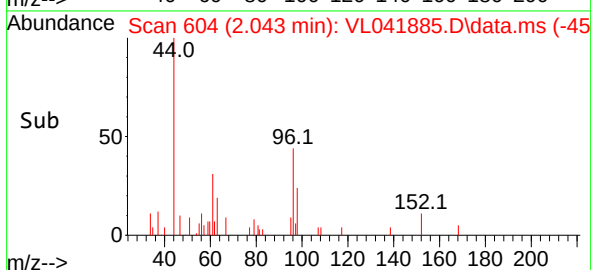
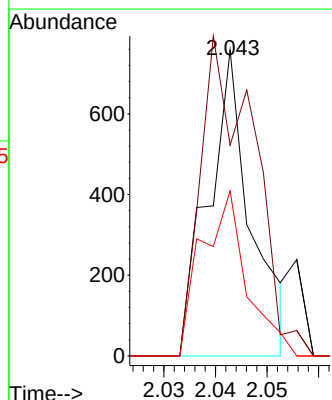
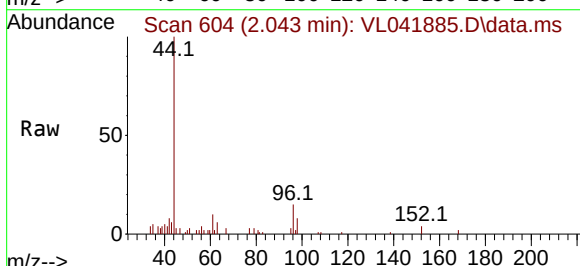
Tgt Ion: 96 Resp: 436

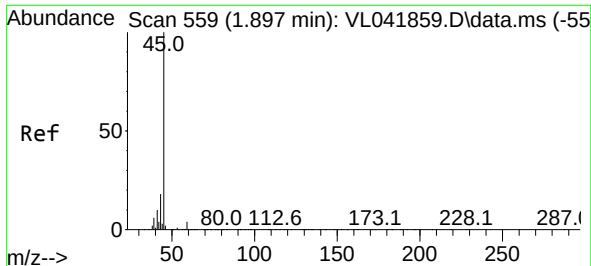
Ion Ratio Lower Upper

96 100

61 83.8 161.7 242.5#

98 54.0 51.0 76.4

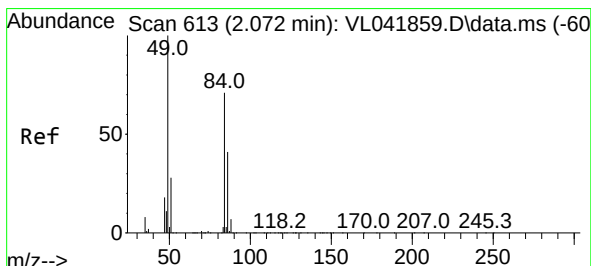
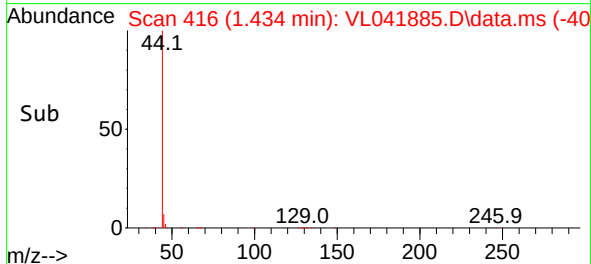
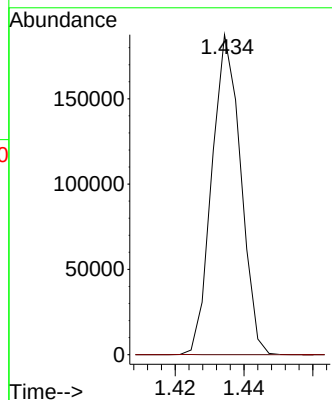
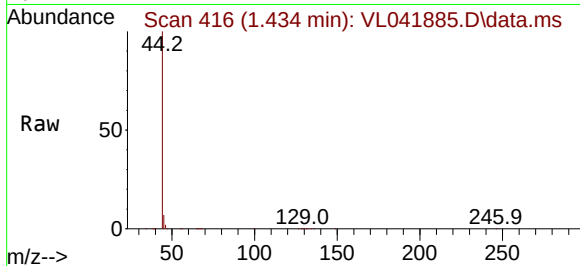




#19  
Isopropyl Alcohol  
Concen: 11.405 ppbv  
RT: 1.434 min Scan# 416  
Delta R.T. -0.463 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

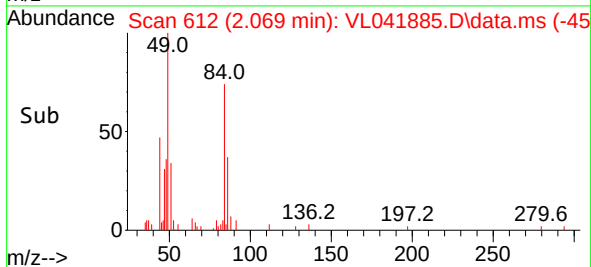
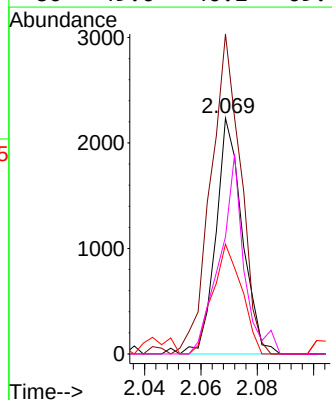
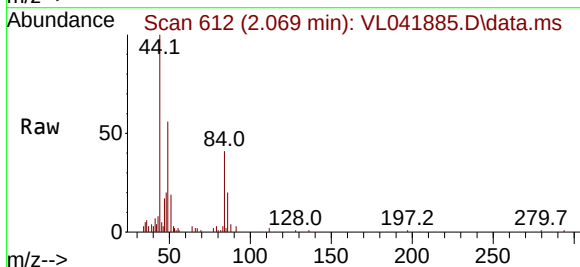
Instrument :  
MSVOA\_L  
ClientSampleId :

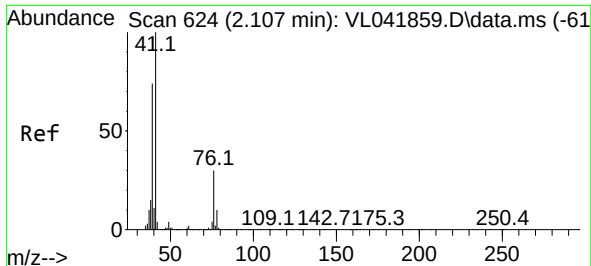
Tgt Ion: 45 Resp: 109069  
Ion Ratio Lower Upper  
45 100  
58 0.0 37.0 55.6#



#20  
Methylene Chloride  
Concen: 0.234 ppbv  
RT: 2.069 min Scan# 612  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 84 Resp: 1454  
Ion Ratio Lower Upper  
84 100  
49 135.6 113.8 170.8  
51 46.6 33.5 50.3  
86 49.6 46.2 69.4

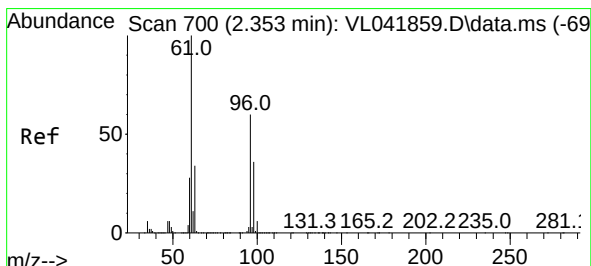
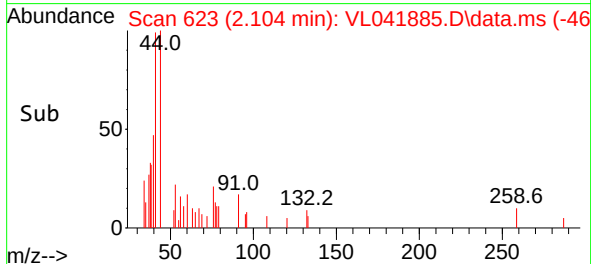
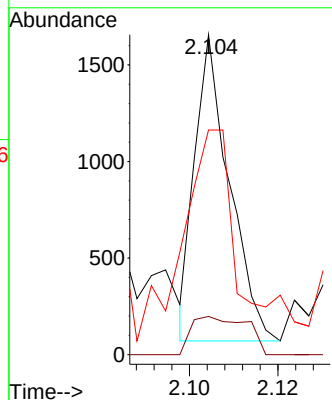
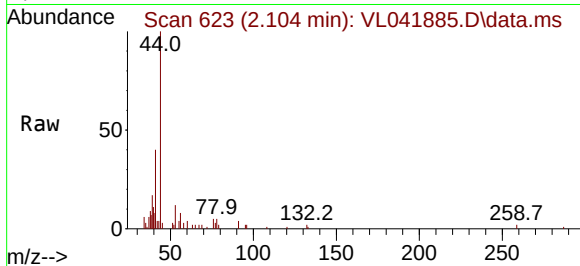




#21  
 Allyl Chloride  
 Concen: 0.074 ppbv  
 RT: 2.104 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

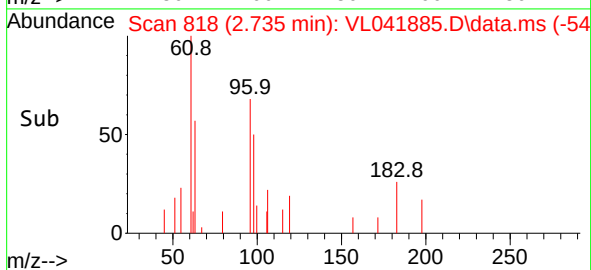
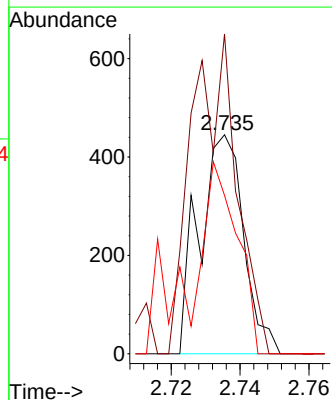
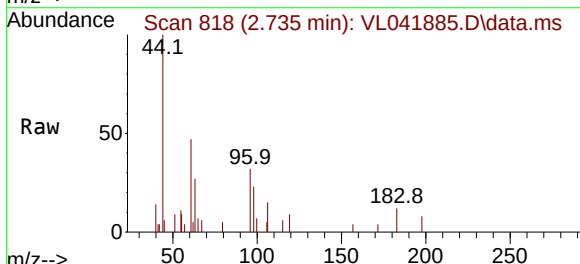
Instrument :  
 MSVOA\_L  
 ClientSampleId :

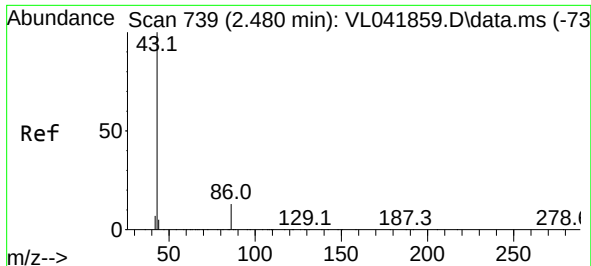
Tgt Ion: 41 Resp: 860  
 Ion Ratio Lower Upper  
 41 100  
 76 20.0 24.6 36.8#  
 39 113.6 60.1 90.1#



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.052 ppbv  
 RT: 2.735 min Scan# 818  
 Delta R.T. 0.382 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

Tgt Ion: 96 Resp: 399  
 Ion Ratio Lower Upper  
 96 100  
 61 146.1 134.2 201.4  
 98 72.4 49.0 73.4

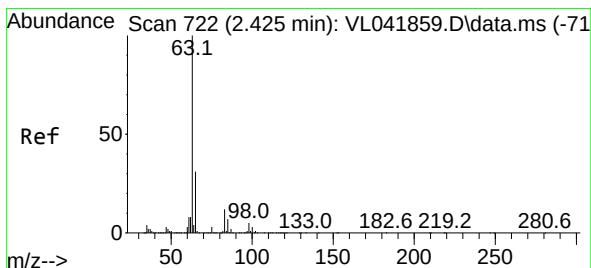
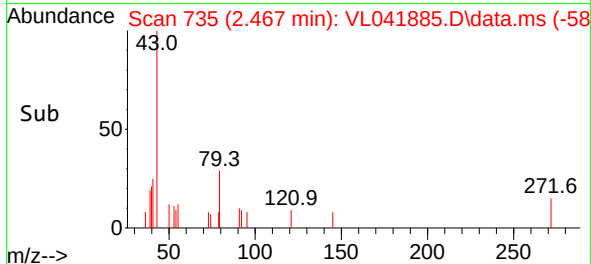
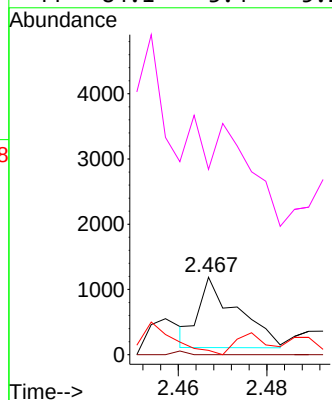
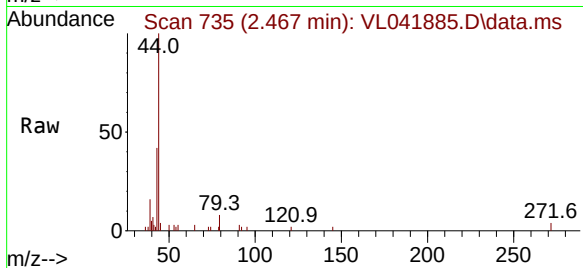




#23  
 Vinyl Acetate  
 Concen: 0.072 ppbv  
 RT: 2.467 min Scan# 71  
 Delta R.T. -0.013 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

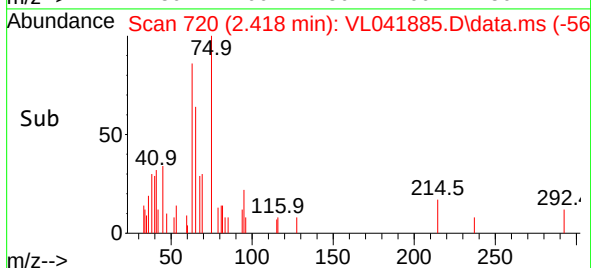
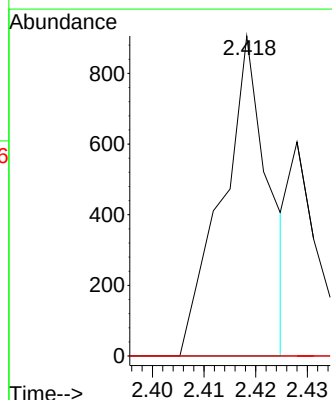
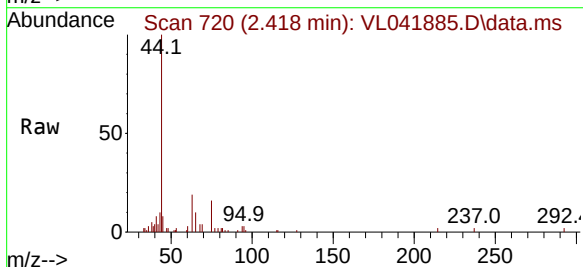
Instrument :  
 MSVOA\_L  
 ClientSampleId :

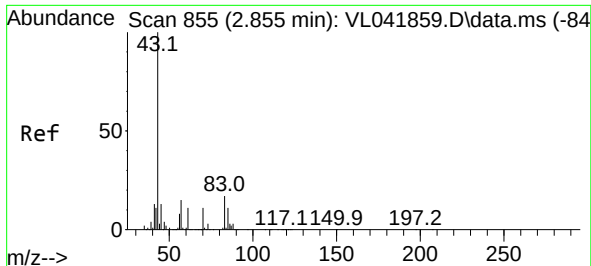
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 663   |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 0.0      | 7.8 11.6#   |
| 42 0.0      | 7.0 10.4#   |
| 44 84.1     | 3.4 5.2#    |



#24  
 1,1-Dichloroethane  
 Concen: 0.039 ppbv  
 RT: 2.418 min Scan# 720  
 Delta R.T. -0.006 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 567   |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 98 0.0      | 2.3 6.9#    |
| 100 0.0     | 1.3 3.8#    |

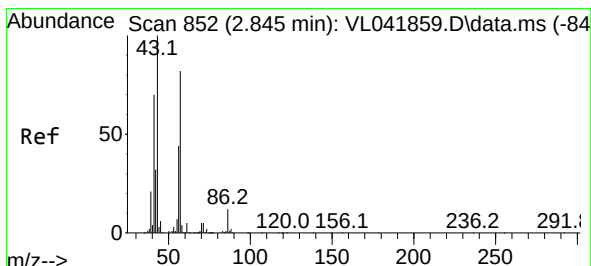
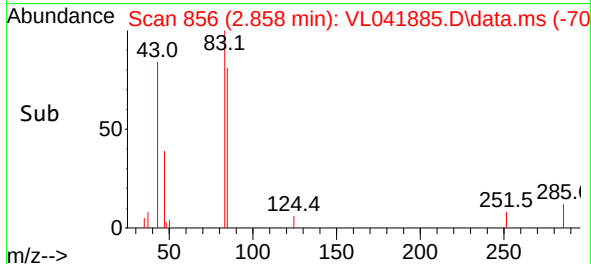
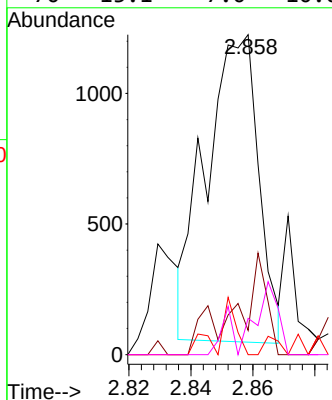
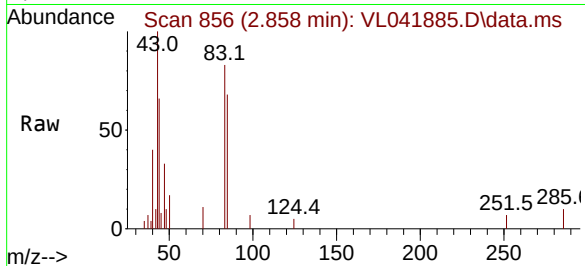




#25  
Ethyl Acetate  
Concen: 0.031 ppbv  
RT: 2.858 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

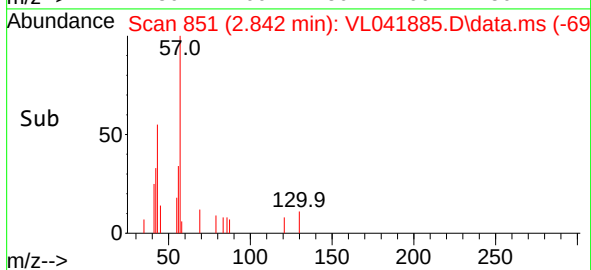
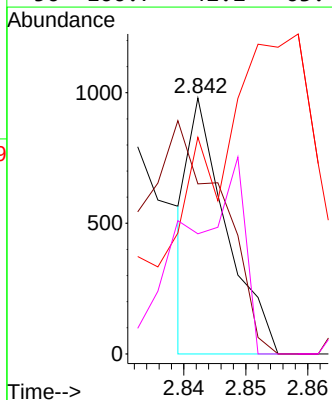
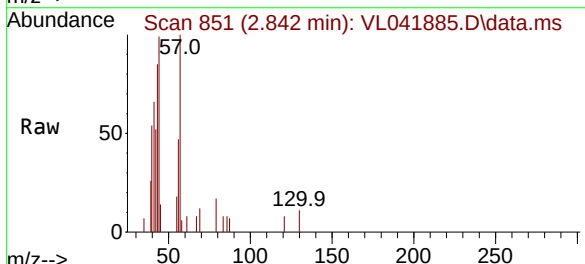
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 43 Resp: 1392  
Ion Ratio Lower Upper  
43 100  
45 19.7 8.4 12.6#  
61 8.0 7.3 10.9  
70 13.1 7.0 10.6#

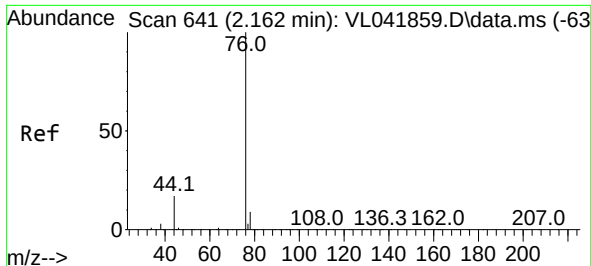


#26  
Hexane  
Concen: 0.022 ppbv  
RT: 2.842 min Scan# 851  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 57 Resp: 409  
Ion Ratio Lower Upper  
57 100  
41 258.9 71.5 107.3#  
43 494.1 200.2 300.4#  
56 166.7 42.2 63.4#







#27

Carbon Disulfide

Concen: 0.038 ppbv

RT: 2.159 min Scan# 641

Delta R.T. -0.003 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

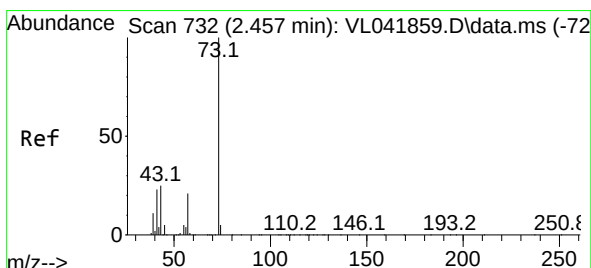
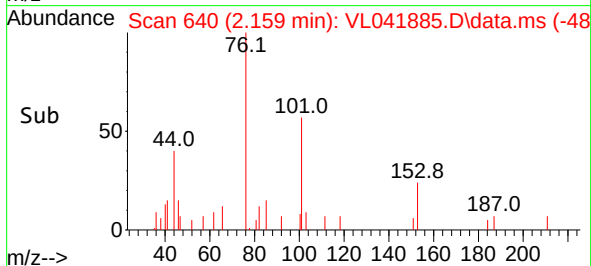
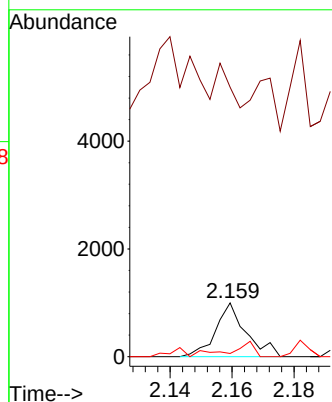
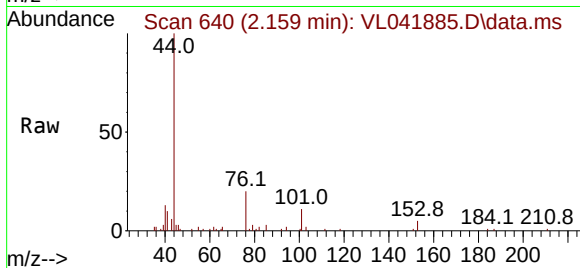
Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 76 Resp: 674

| Ion | Ratio  | Lower | Upper |
|-----|--------|-------|-------|
| 76  | 100    |       |       |
| 44  | 1895.4 | 13.1  | 19.7# |
| 78  | 30.7   | 9.5   | 14.3# |



#28

Methyl tert-Butyl Ether

Concen: 0.011 ppbv

RT: 2.451 min Scan# 730

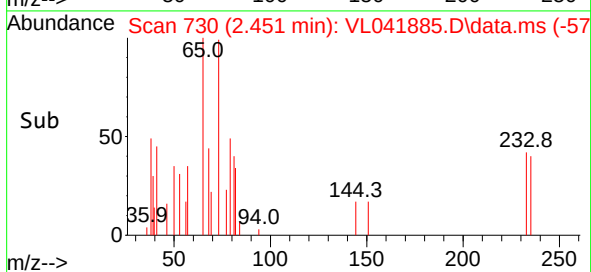
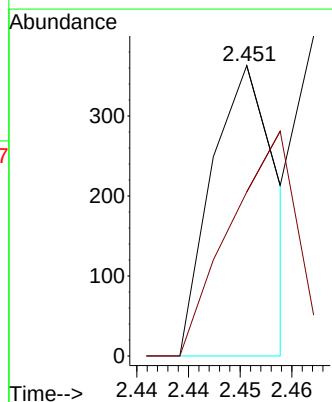
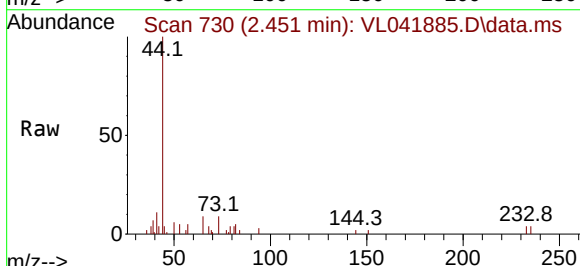
Delta R.T. -0.006 min

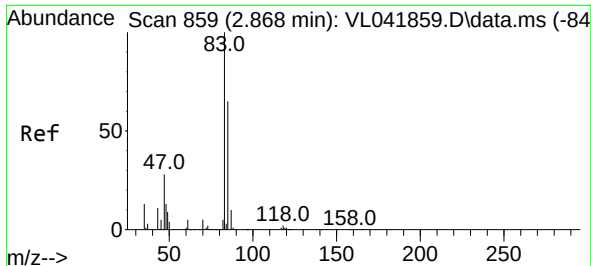
Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Tgt Ion: 73 Resp: 160

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 80.0  | 17.5  | 26.3# |





#29

Chloroform

Concen: 0.030 ppbv

RT: 2.858 min Scan# 81

Delta R.T. -0.010 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

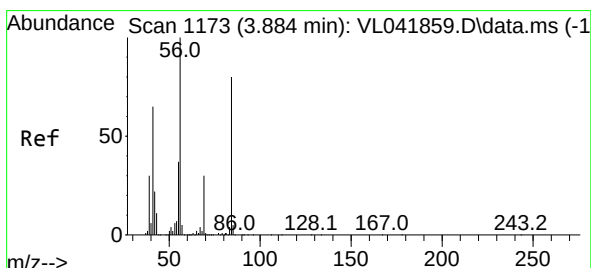
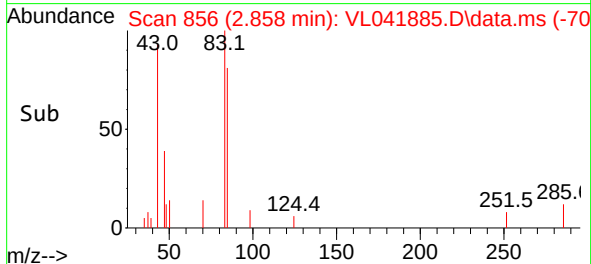
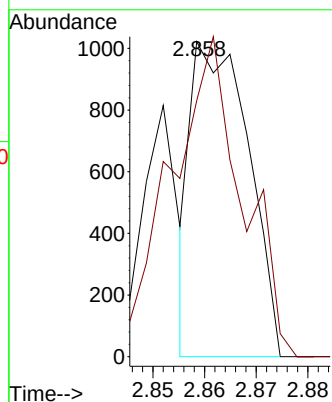
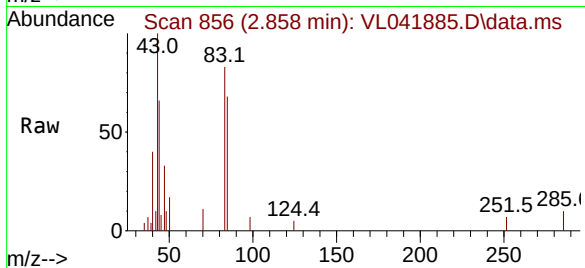
ClientSampleId :

Tgt Ion: 83 Resp: 786

Ion Ratio Lower Upper

83 100

85 73.9 51.7 77.5



#30

Cyclohexane

Concen: 0.028 ppbv

RT: 3.875 min Scan# 1170

Delta R.T. -0.010 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

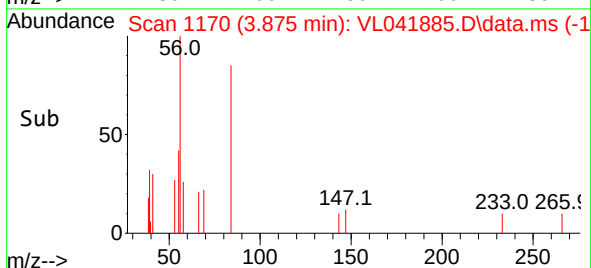
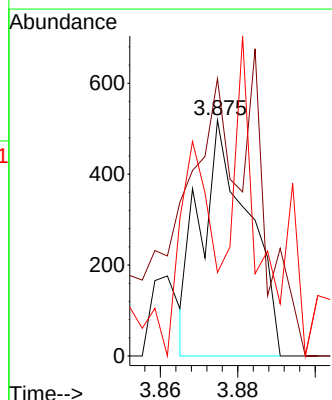
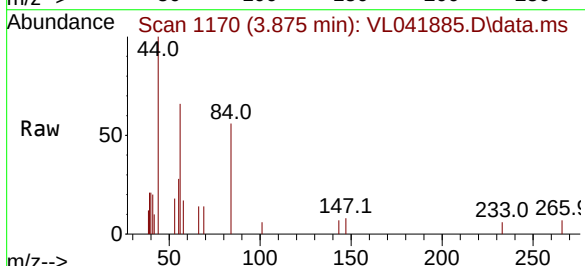
Tgt Ion: 84 Resp: 448

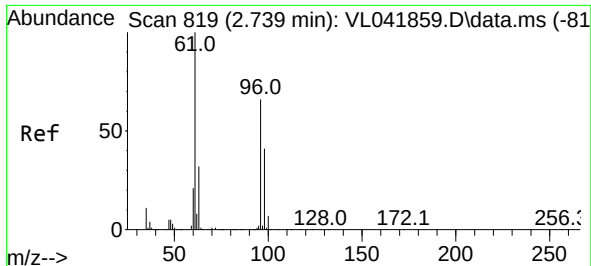
Ion Ratio Lower Upper

84 100

56 199.3 100.7 151.1#

41 180.4 62.8 94.2#

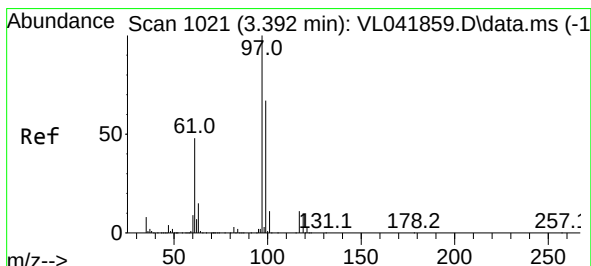
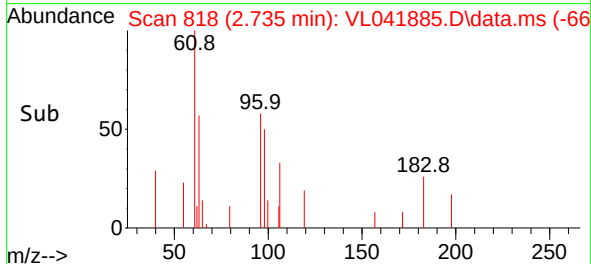
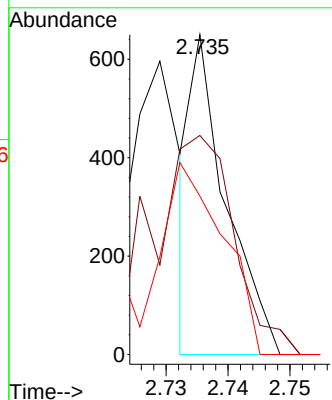
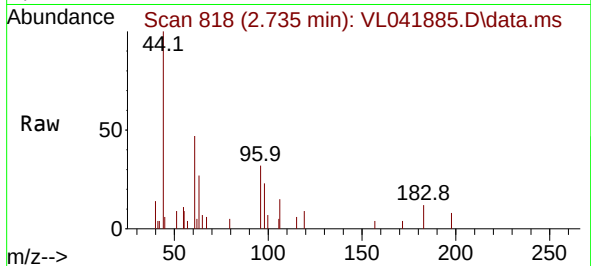




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.014 ppbv  
 RT: 2.735 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

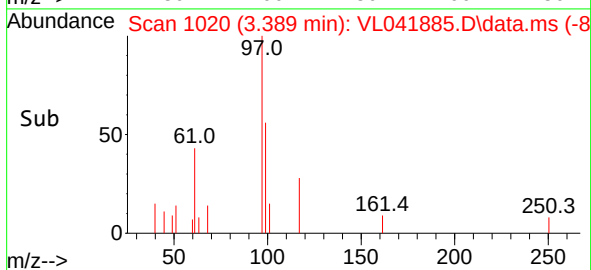
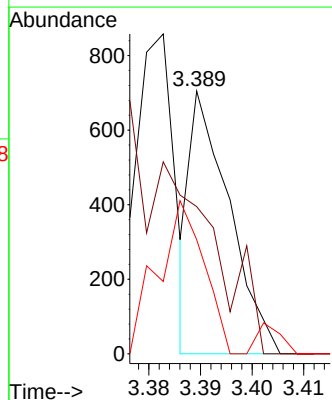
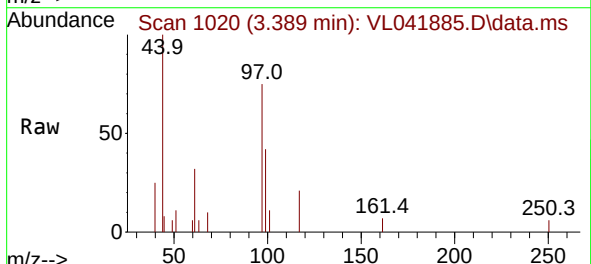
Instrument :  
 MSVOA\_L  
 ClientSampleId :

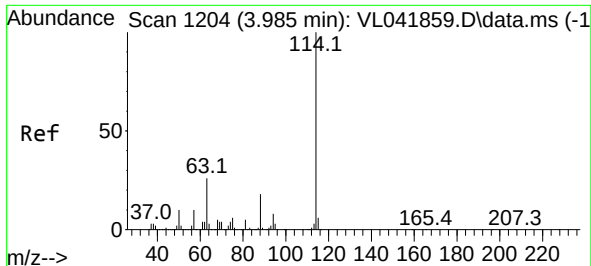
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 61    | Resp: | 256   |
| Ion      | Ratio | Lower | Upper |
| 61       | 100   |       |       |
| 96       | 60.6  | 53.2  | 79.8  |
| 98       | 49.5  | 32.5  | 48.7# |



#32  
 1,1,1-Trichloroethane  
 Concen: 0.014 ppbv  
 RT: 3.389 min Scan# 1020  
 Delta R.T. -0.003 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 374   |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 0.0   | 52.0  | 78.0# |
| 61       | 90.1  | 38.8  | 58.2# |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :

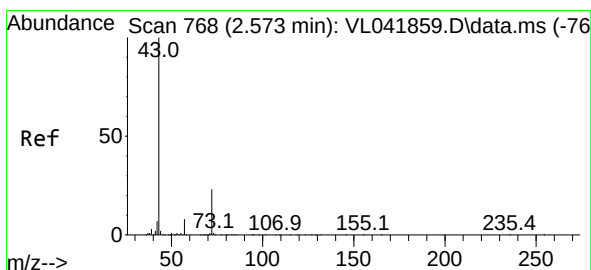
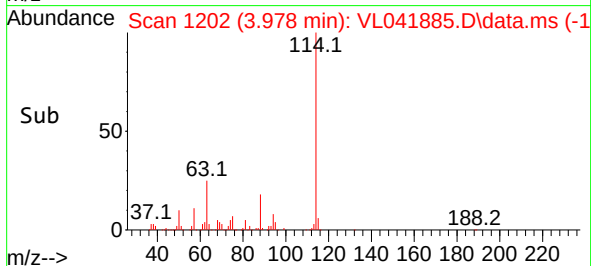
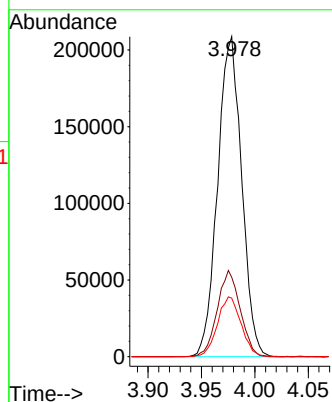
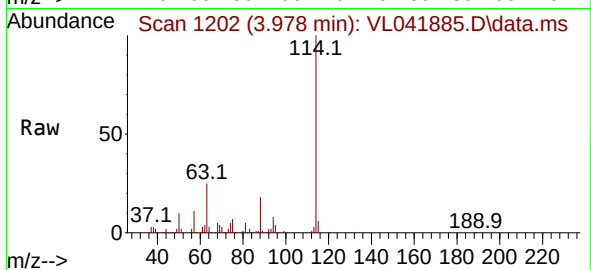
Tgt Ion:114 Resp: 326190

Ion Ratio Lower Upper

114 100

63 25.8 20.3 30.5

88 18.3 14.6 21.8



#34

2-Butanone

Concen: 0.069 ppbv

RT: 2.577 min Scan# 769

Delta R.T. 0.003 min

Lab File: VL041885.D

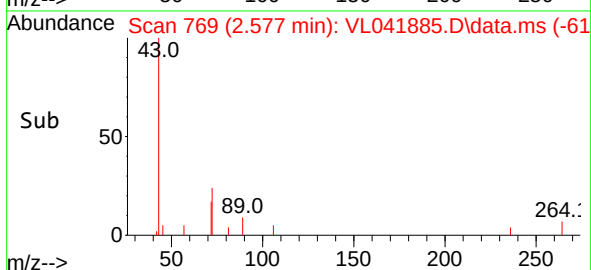
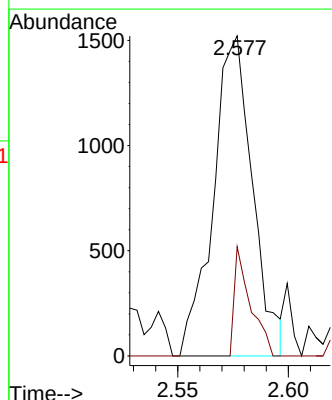
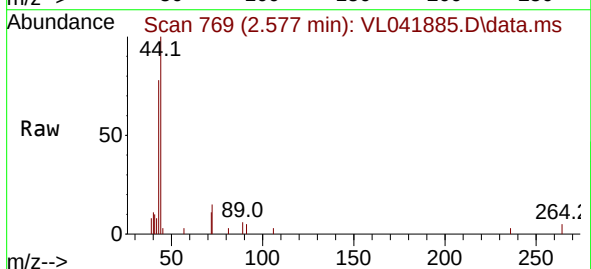
Acq: 10 Jan 2025 01:18

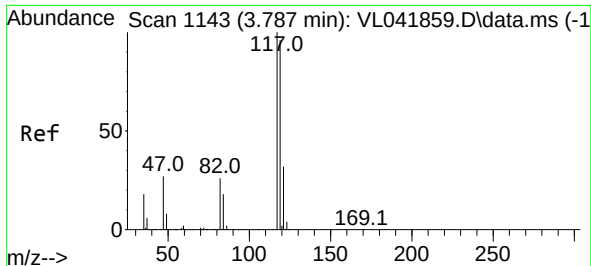
Tgt Ion: 43 Resp: 1881

Ion Ratio Lower Upper

43 100

72 14.0 18.5 27.7#

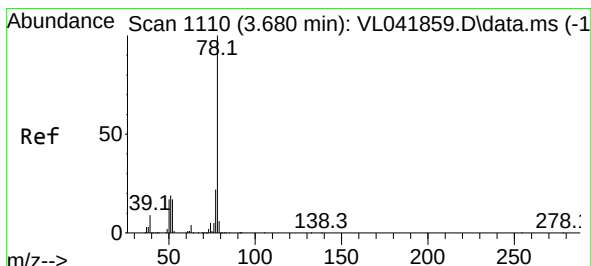
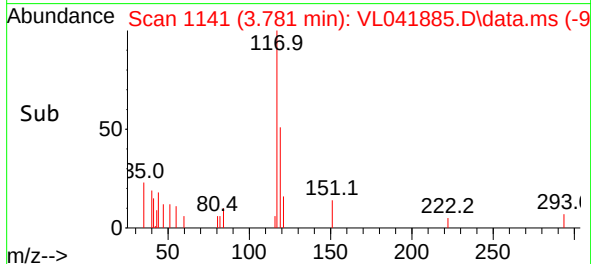
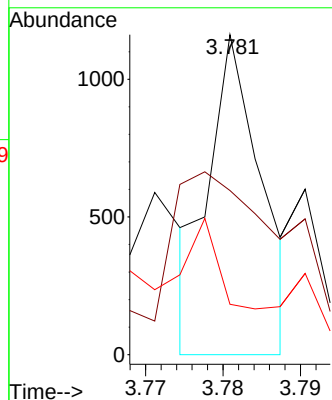
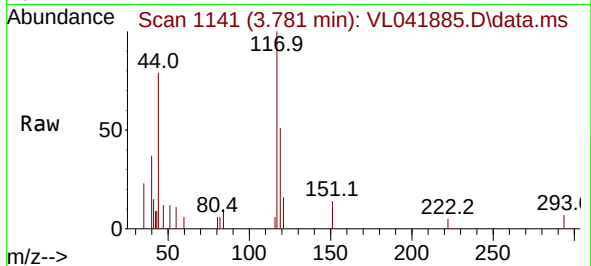




#35  
Carbon Tetrachloride  
Concen: 0.021 ppbv  
RT: 3.781 min Scan# 1143  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

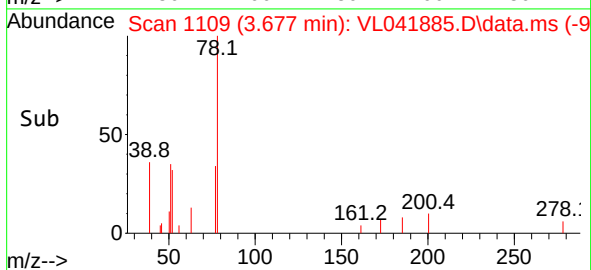
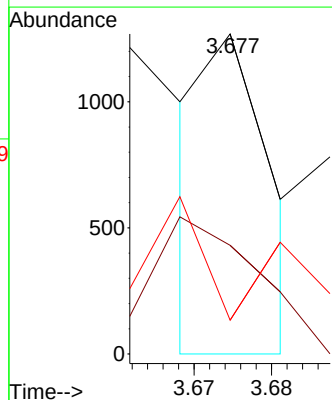
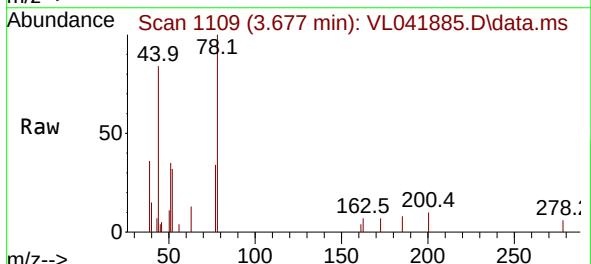
Instrument :  
MSVOA\_L  
ClientSampleId :

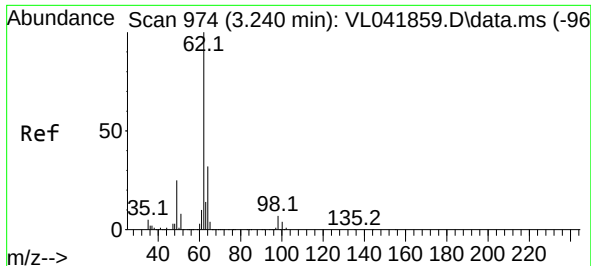
Tgt Ion:117 Resp: 544  
Ion Ratio Lower Upper  
117 100  
119 24.0 76.9 115.3#  
121 1.2 25.9 38.9#



#36  
Benzene  
Concen: 0.010 ppbv  
RT: 3.677 min Scan# 1109  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 78 Resp: 365  
Ion Ratio Lower Upper  
78 100  
77 28.2 17.9 26.9#  
50 0.0 13.7 20.5#





#37

1,2-Dichloroethane

Concen: 0.022 ppbv

RT: 3.234 min Scan# 91

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

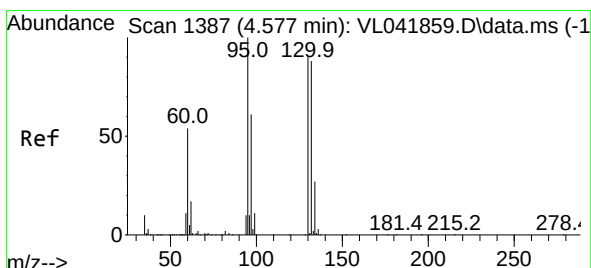
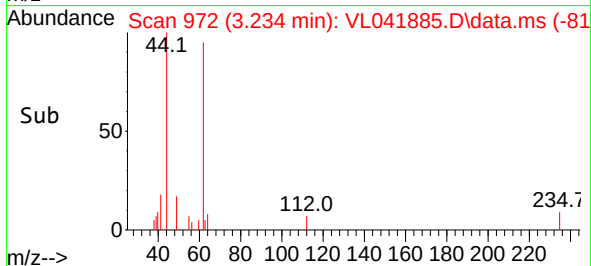
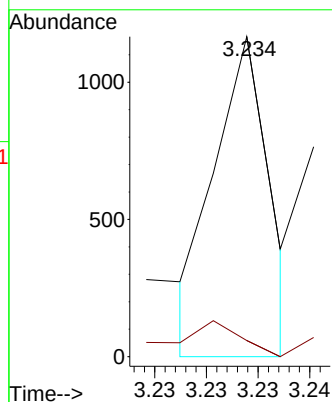
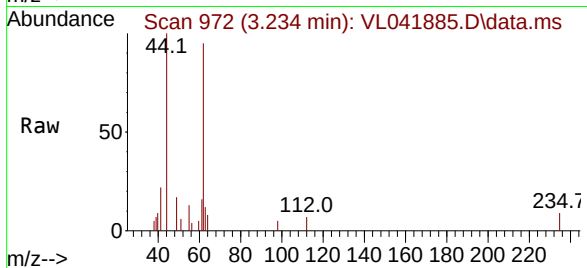
ClientSampleId :

Tgt Ion: 62 Resp: 432

Ion Ratio Lower Upper

62 100

98 16.2 5.6 8.4#



#38

Trichloroethene

Concen: 0.013 ppbv

RT: 4.571 min Scan# 1385

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Tgt Ion:130 Resp: 187

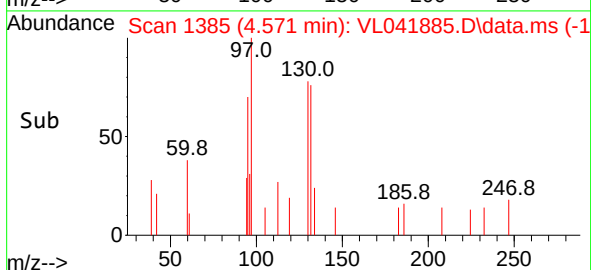
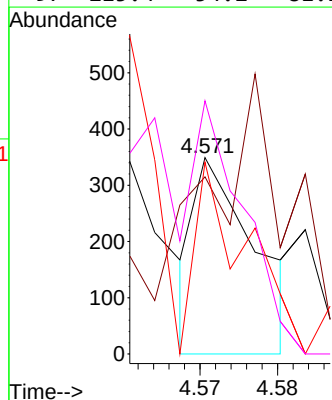
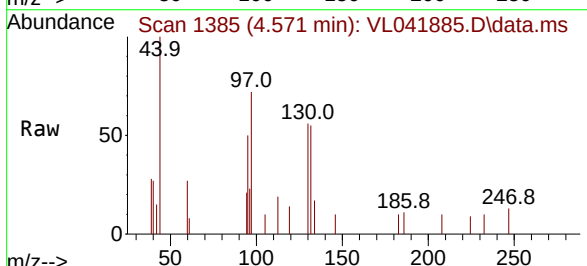
Ion Ratio Lower Upper

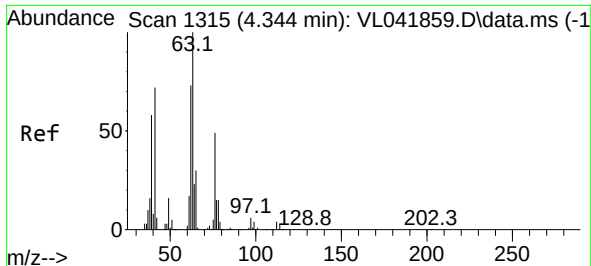
130 100

95 69.2 88.5 132.7#

132 187.4 78.2 117.2#

97 215.4 54.2 81.2#





#39

1,2-Dichloropropane

Concen: 6.241 ppbv

RT: 3.975 min Scan# 11

Delta R.T. -0.369 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :

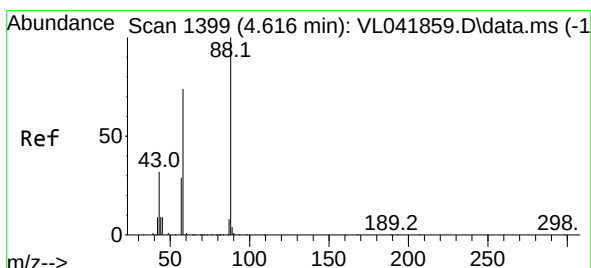
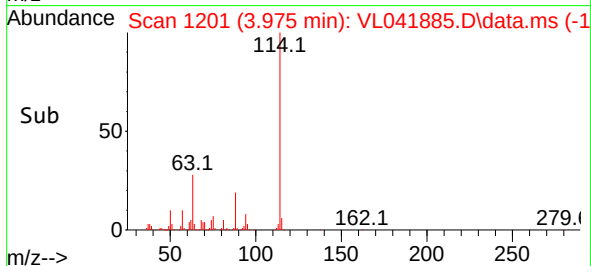
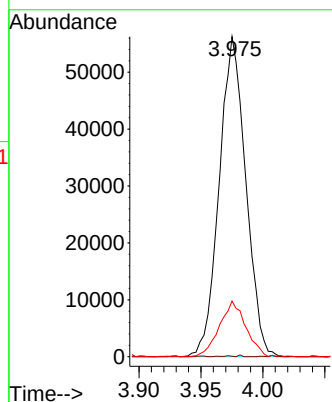
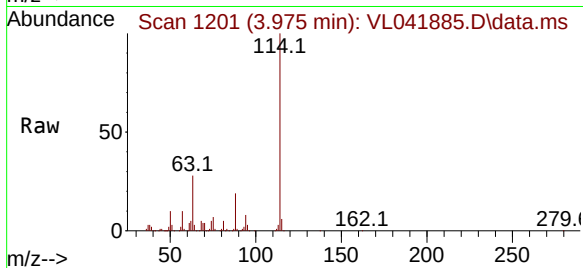
Tgt Ion: 63 Resp: 84020

Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 17.4 58.6 87.8#



#40

1,4-Dioxane

Concen: 0.009 ppbv

RT: 4.645 min Scan# 1408

Delta R.T. 0.029 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Tgt Ion: 88 Resp: 63

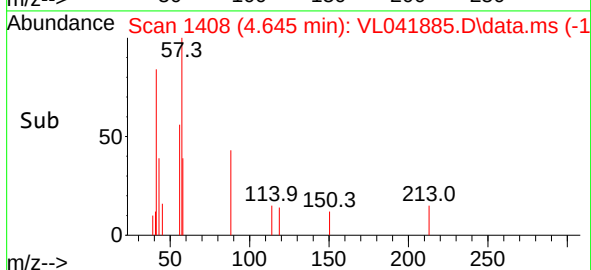
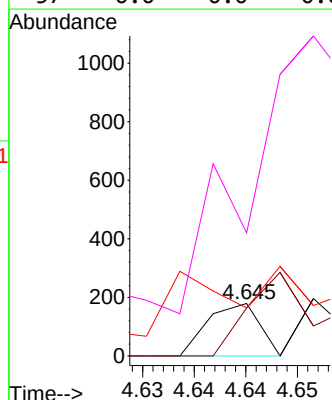
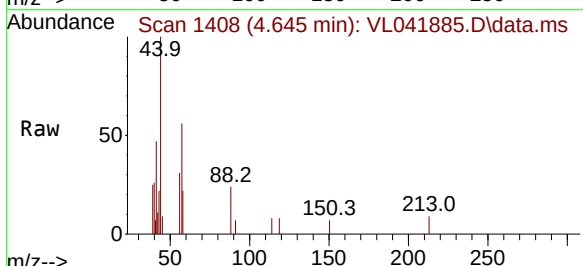
Ion Ratio Lower Upper

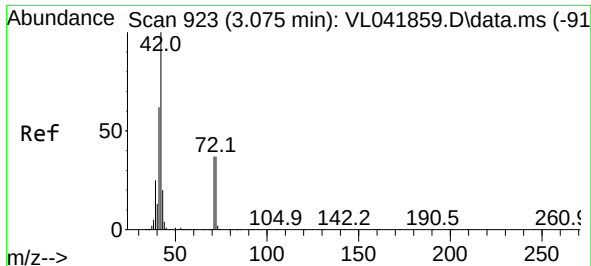
88 100

58 0.0 52.2 78.4#

43 341.3 0.0 0.0#

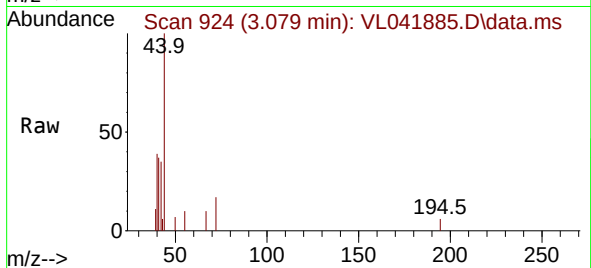
57 0.0 0.0 0.0



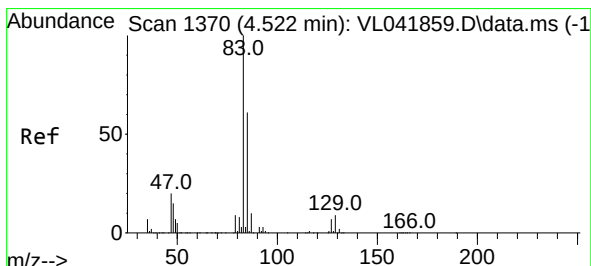
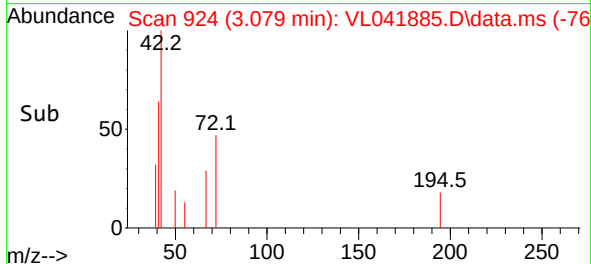
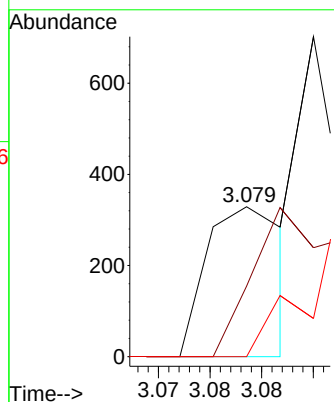


#41  
Tetrahydrofuran  
Concen: 0.011 ppbv  
RT: 3.079 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Instrument :  
MSVOA\_L  
ClientSampleId :

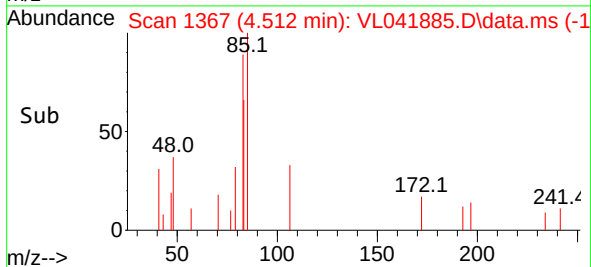
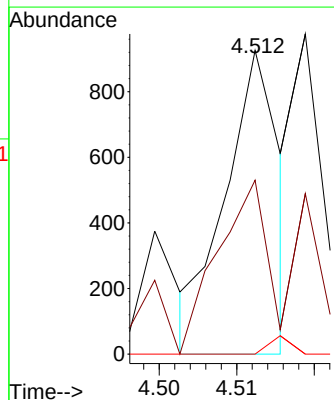
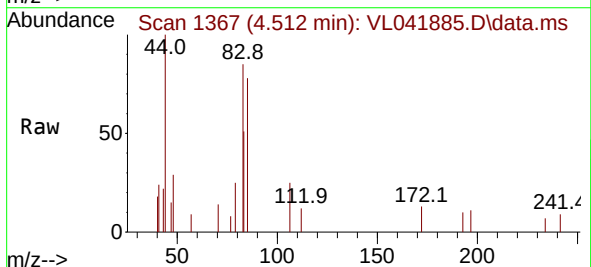


Tgt Ion: 42 Resp: 175  
Ion Ratio Lower Upper  
42 100  
72 0.0 30.8 46.2#  
71 0.0 30.1 45.1#

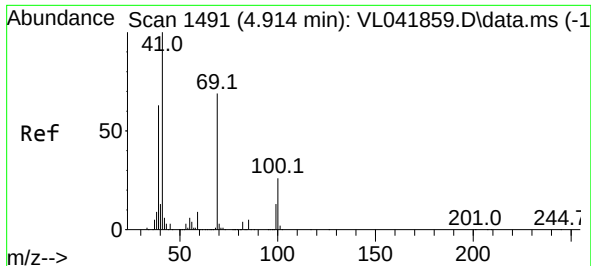


#42  
Bromodichloromethane  
Concen: 0.017 ppbv  
RT: 4.512 min Scan# 1367  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 83 Resp: 453  
Ion Ratio Lower Upper  
83 100  
85 71.9 48.9 73.3  
127 0.0 5.4 8.2#



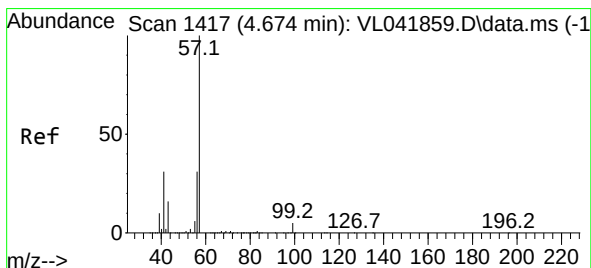
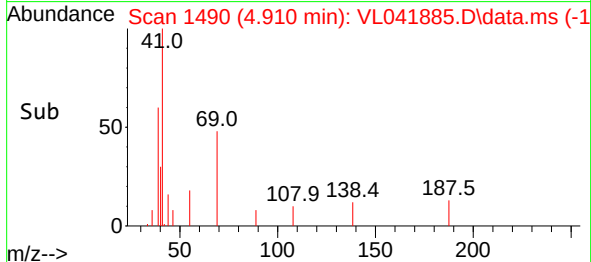
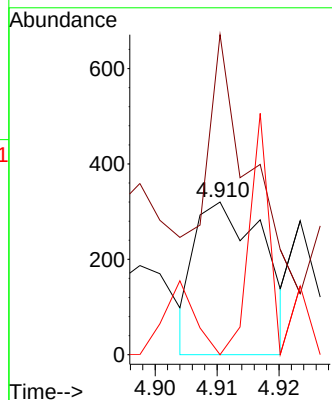
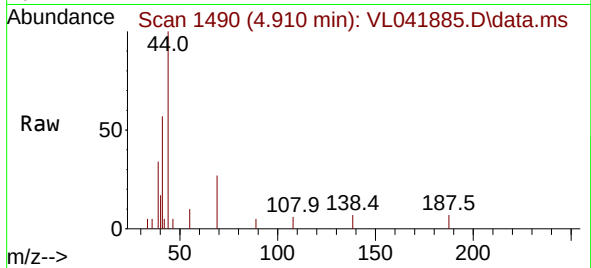




#43  
Methyl Methacrylate  
Concen: 0.016 ppbv  
RT: 4.910 min Scan# 1490  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

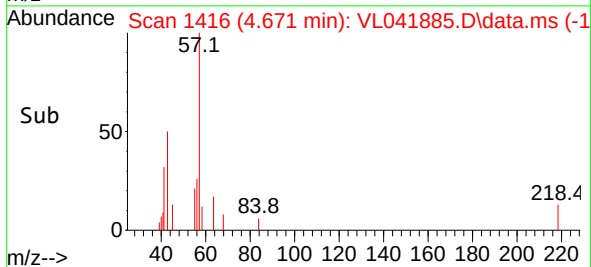
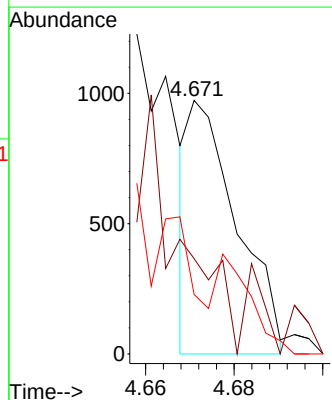
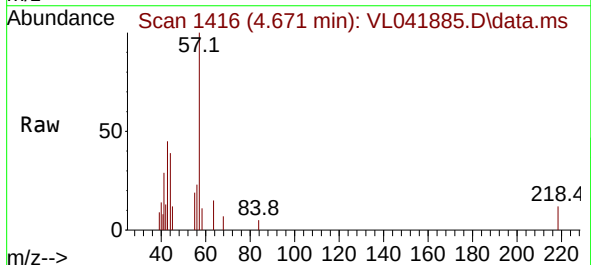
Instrument :  
MSVOA\_L  
ClientSampleId :

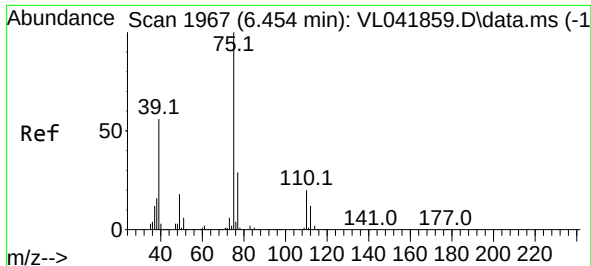
Tgt Ion: 69 Resp: 247  
Ion Ratio Lower Upper  
69 100  
41 378.1 116.2 174.4#  
100 0.0 29.8 44.8#



#44  
2,2,4-Trimethylpentane  
Concen: 0.012 ppbv  
RT: 4.671 min Scan# 1416  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 57 Resp: 741  
Ion Ratio Lower Upper  
57 100  
41 0.0 25.5 38.3#  
56 0.0 25.6 38.4#

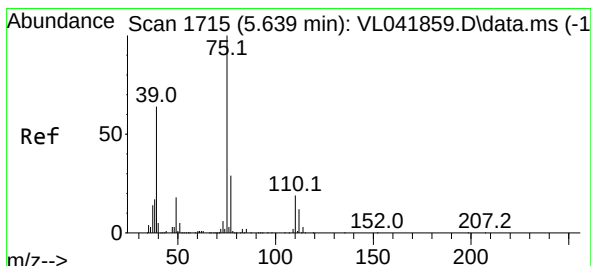
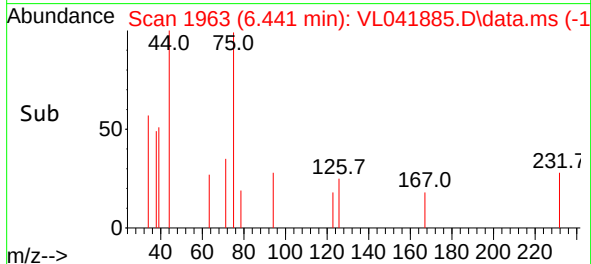
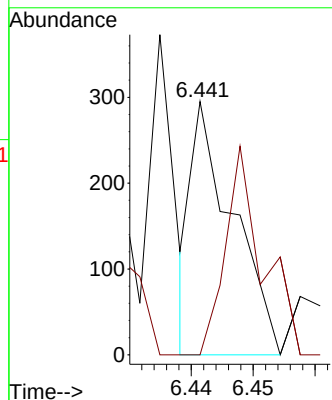
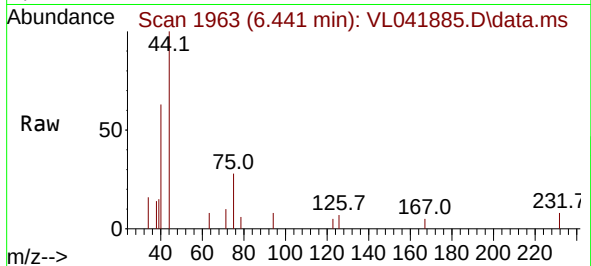




#45  
 t-1,3-Dichloropropene  
 Concen: 0.009 ppbv  
 RT: 6.441 min Scan# 1963  
 Delta R.T. -0.013 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

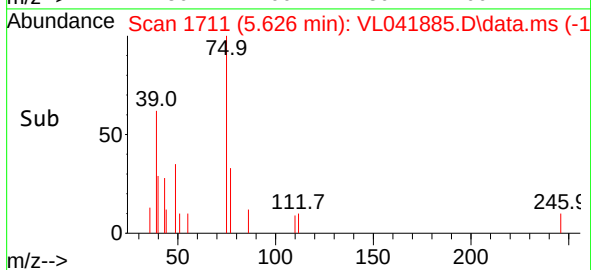
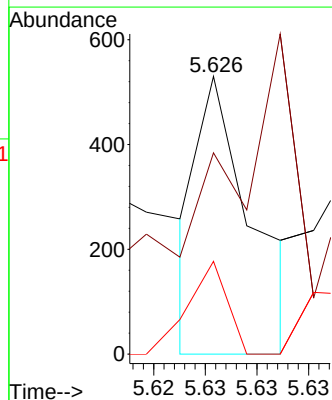
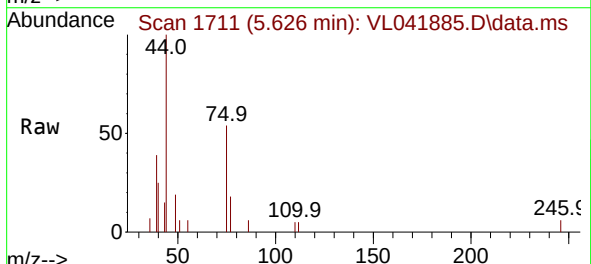
Instrument :  
 MSVOA\_L  
 ClientSampleId :

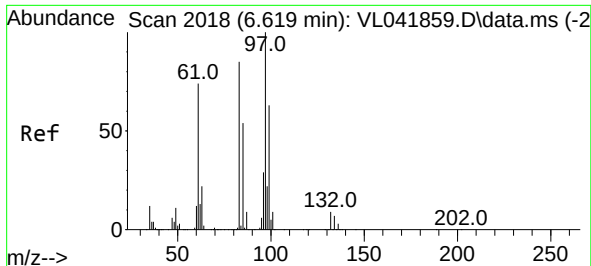
Tgt Ion: 75 Resp: 137  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 23.4 35.2#



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.009 ppbv  
 RT: 5.626 min Scan# 1711  
 Delta R.T. -0.013 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

Tgt Ion: 75 Resp: 193  
 Ion Ratio Lower Upper  
 75 100  
 39 63.6 51.4 77.2  
 77 56.5 23.0 34.4#





#47

1,1,2-Trichloroethane

Concen: 0.008 ppbv

RT: 6.606 min Scan# 20

Delta R.T. -0.013 min

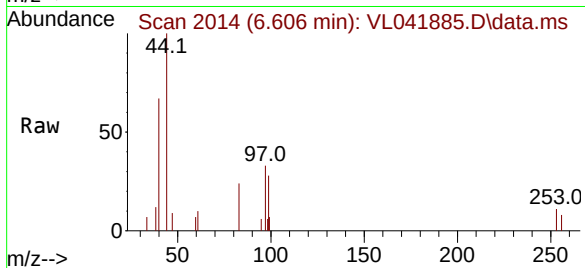
Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 97 Resp: 117

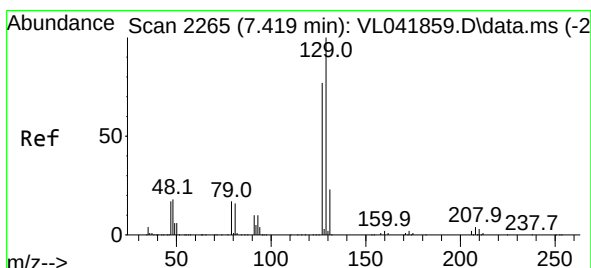
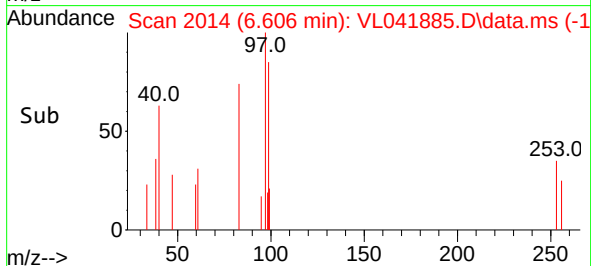
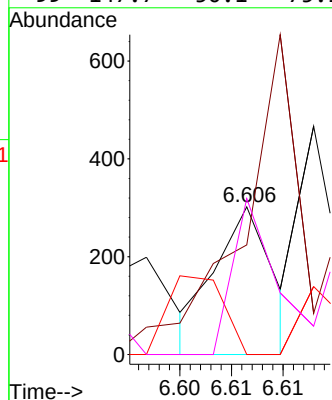
Ion Ratio Lower Upper

97 100

83 74.1 68.1 102.1

85 0.0 43.4 65.2#

99 147.7 50.1 75.1#



#48

Dibromochloromethane

Concen: 0.003 ppbv

RT: 7.425 min Scan# 2267

Delta R.T. 0.007 min

Lab File: VL041885.D

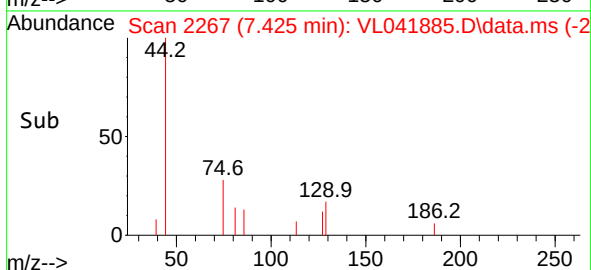
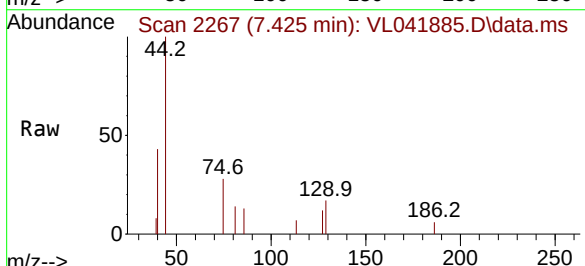
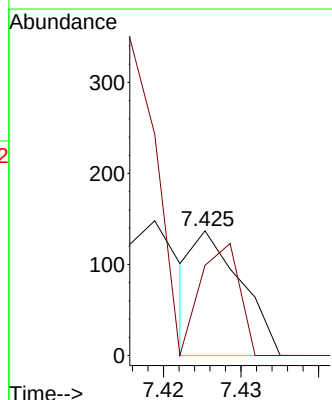
Acq: 10 Jan 2025 01:18

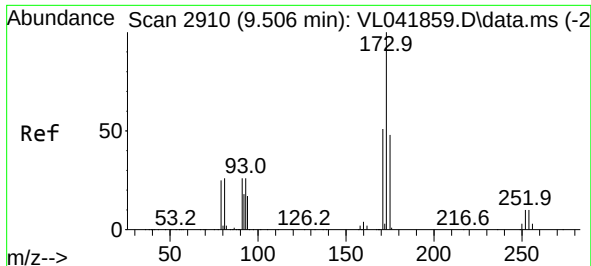
Tgt Ion: 129 Resp: 57

Ion Ratio Lower Upper

129 100

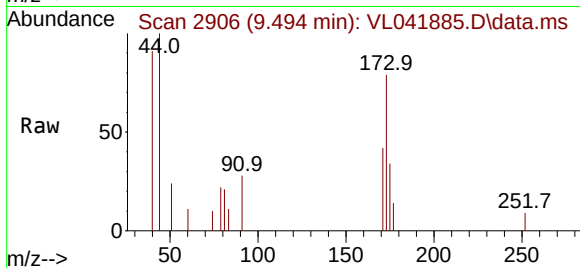
127 43.9 39.4 118.1



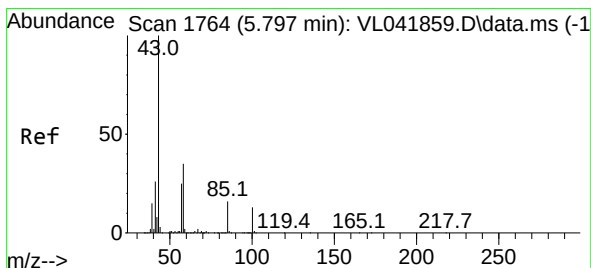
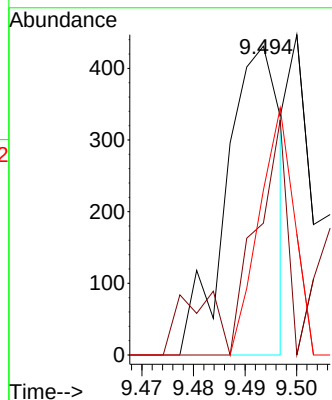
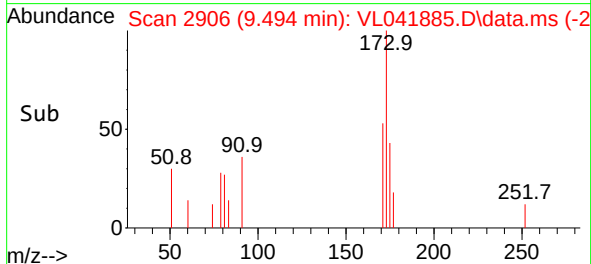


#49  
Bromoform  
Concen: 0.017 ppbv  
RT: 9.494 min Scan# 2906  
Delta R.T. -0.013 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Instrument :  
MSVOA\_L  
ClientSampleId :

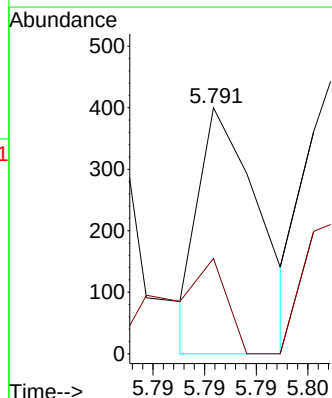
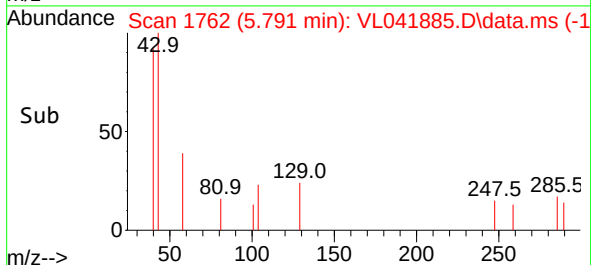
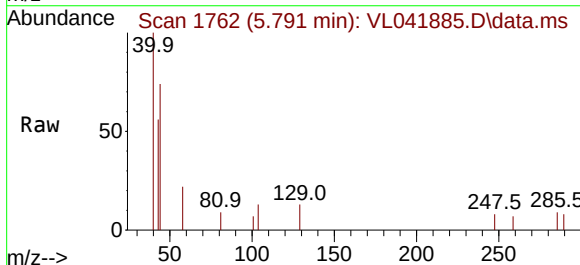


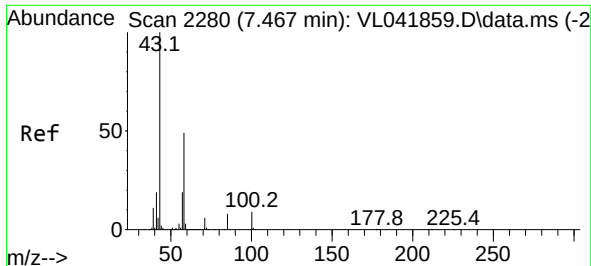
Tgt Ion:173 Resp: 317  
Ion Ratio Lower Upper  
173 100  
175 0.0 38.2 57.2#  
171 0.0 41.3 61.9#



#50  
4-Methyl-2-Pentanone  
Concen: 0.004 ppbv  
RT: 5.791 min Scan# 1762  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 43 Resp: 162  
Ion Ratio Lower Upper  
43 100  
58 0.0 29.4 44.2#

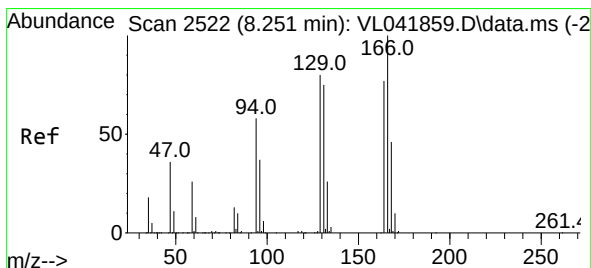
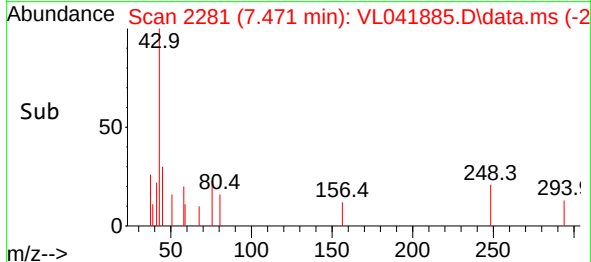
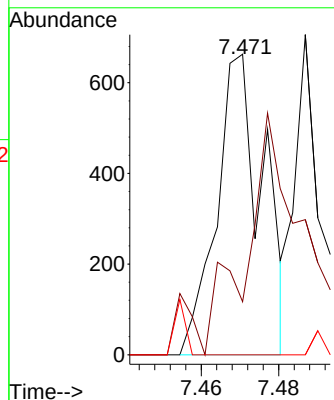
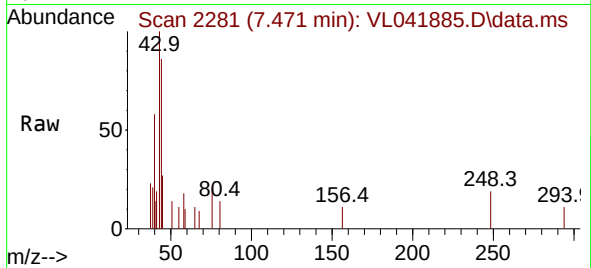




#51  
2-Hexanone  
Concen: 0.017 ppbv  
RT: 7.471 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

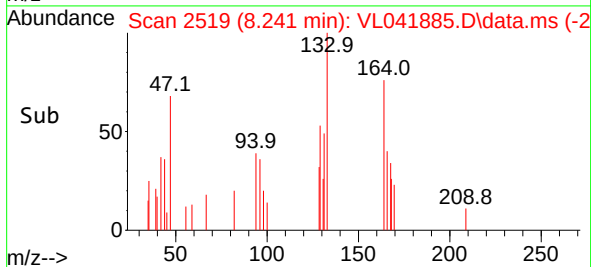
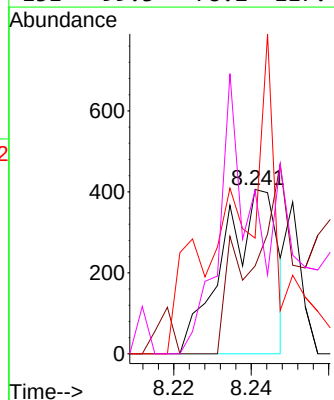
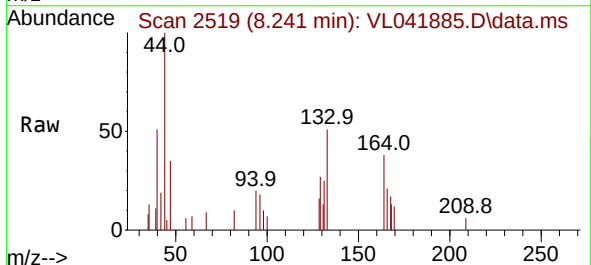
Instrument :  
MSVOA\_L  
ClientSampleId :

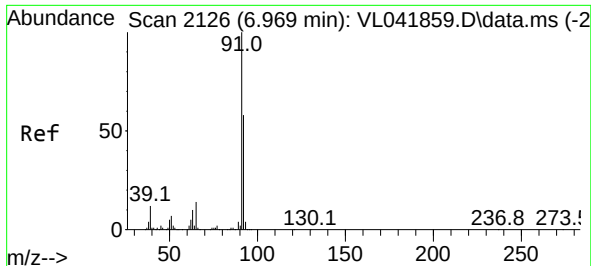
Tgt Ion: 43 Resp: 549  
Ion Ratio Lower Upper  
43 100  
58 106.9 40.0 60.0#  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.027 ppbv  
RT: 8.241 min Scan# 2519  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 164 Resp: 392  
Ion Ratio Lower Upper  
164 100  
166 53.4 103.6 155.4#  
129 44.1 82.6 123.8#  
131 99.3 78.2 117.4

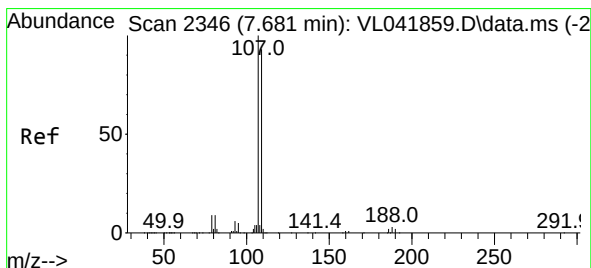
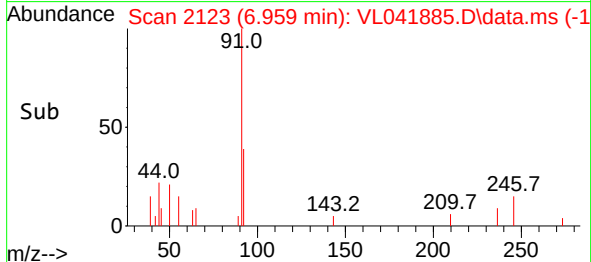
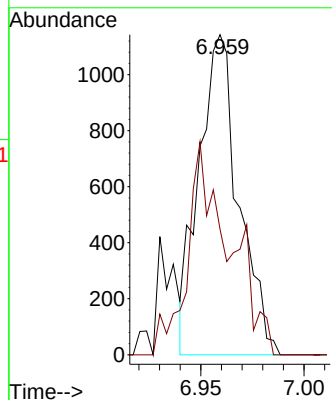
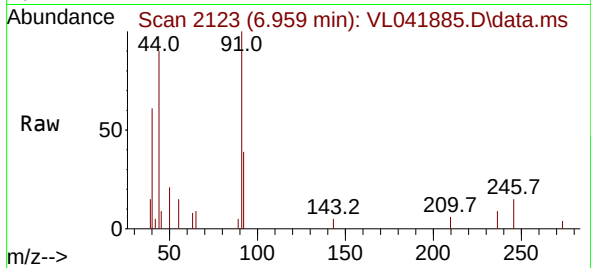




#53  
Toluene  
Concen: 0.034 ppbv  
RT: 6.959 min Scan# 2126  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

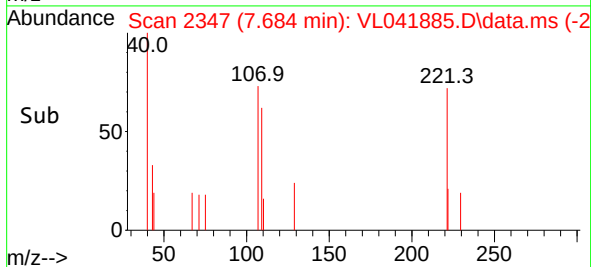
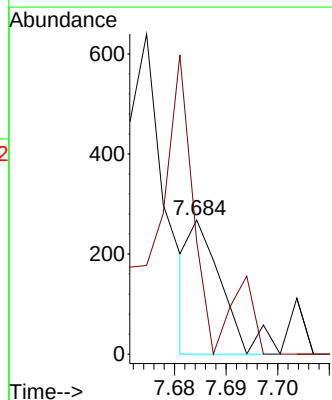
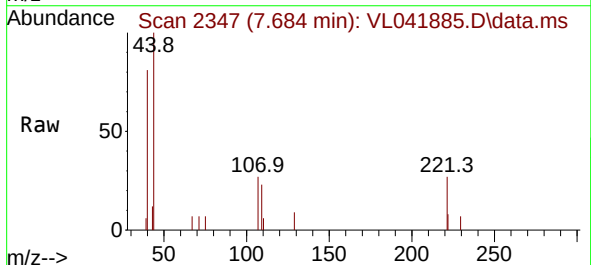
Instrument :  
MSVOA\_L  
ClientSampleId :

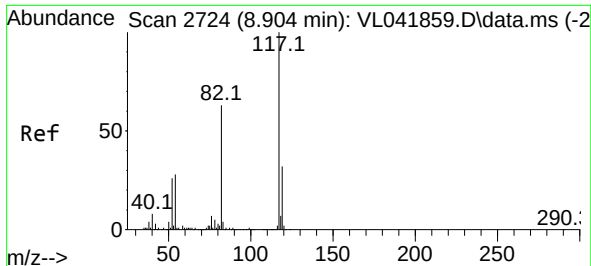
Tgt Ion: 91 Resp: 1540  
Ion Ratio Lower Upper  
91 100  
92 69.9 47.2 70.8



#54  
1,2-Dibromoethane  
Concen: 0.006 ppbv  
RT: 7.684 min Scan# 2347  
Delta R.T. 0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 107 Resp: 118  
Ion Ratio Lower Upper  
107 100  
109 84.0 74.6 112.0

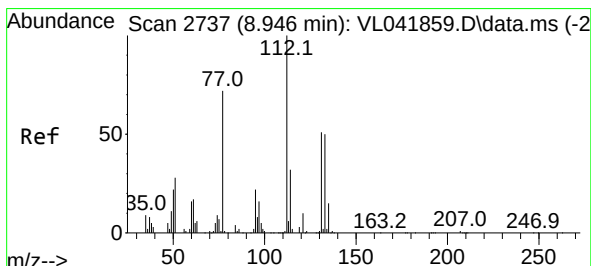
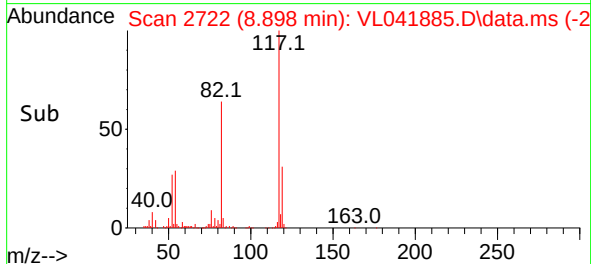
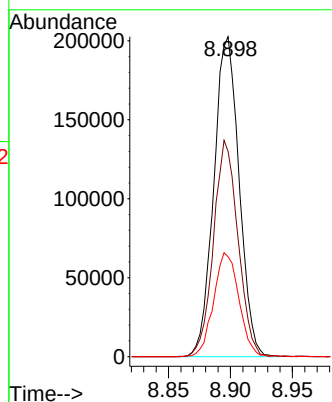
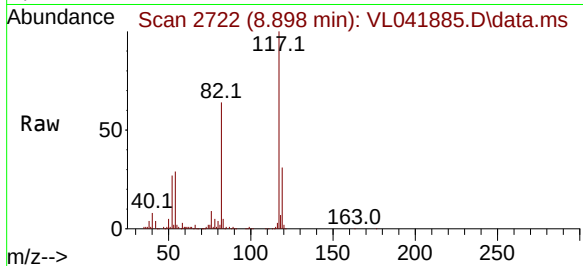




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.898 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

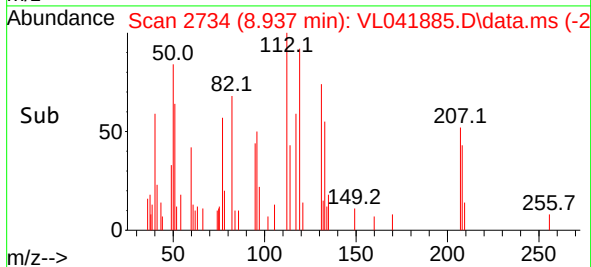
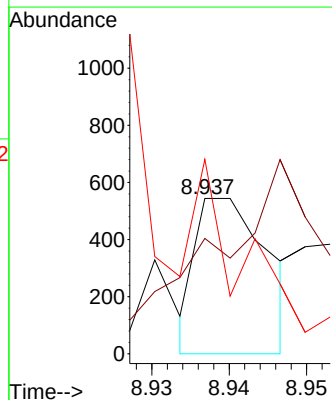
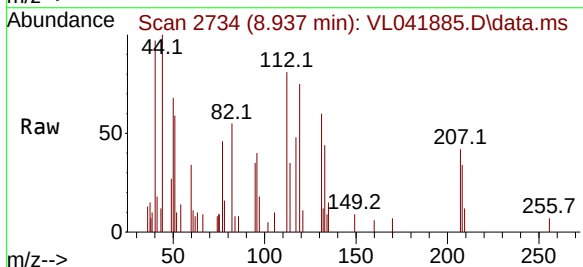
Instrument :  
MSVOA\_L  
ClientSampleId :

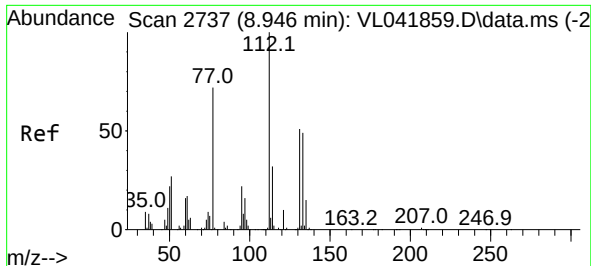
Tgt Ion:117 Resp: 288647  
Ion Ratio Lower Upper  
117 100  
82 65.5 54.5 81.7  
119 32.7 24.6 37.0



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.020 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

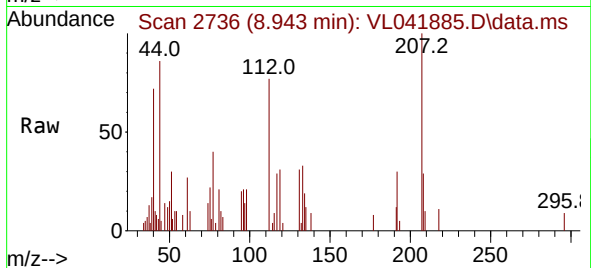
Tgt Ion:131 Resp: 352  
Ion Ratio Lower Upper  
131 100  
133 0.0 77.4 116.2#  
119 0.0 49.4 74.0#



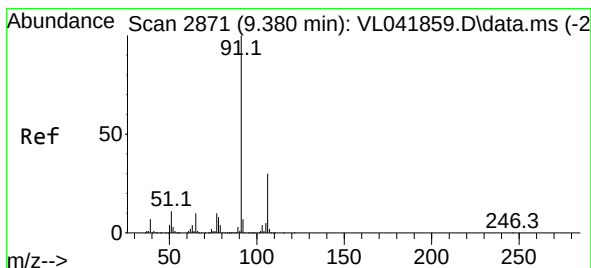
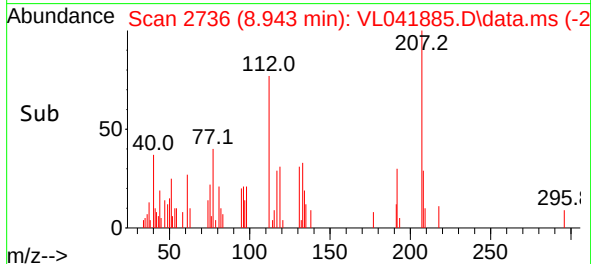
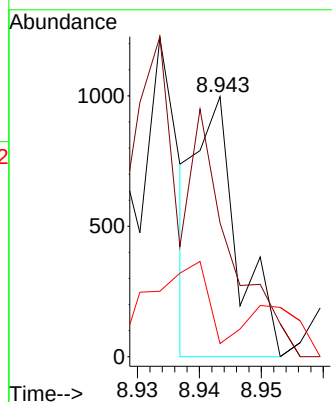


#57  
Chlorobenzene  
Concen: 0.014 ppbv  
RT: 8.943 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Instrument :  
MSVOA\_L  
ClientSampleId :

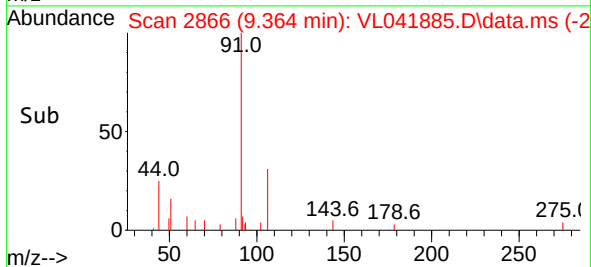
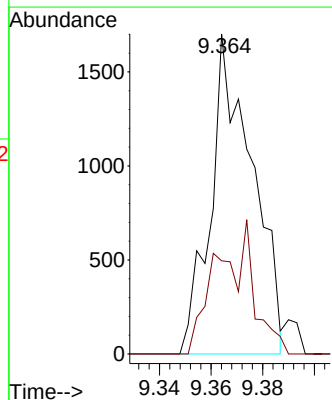
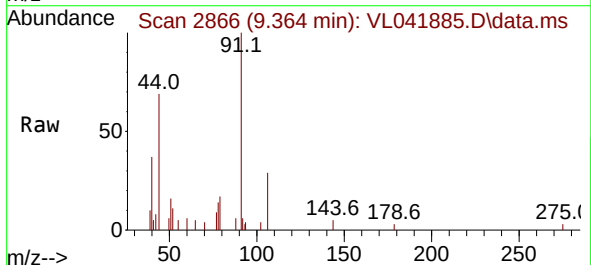


Tgt Ion:112 Resp: 459  
Ion Ratio Lower Upper  
112 100  
77 38.8 58.3 87.5#  
114 0.0 28.9 35.3#

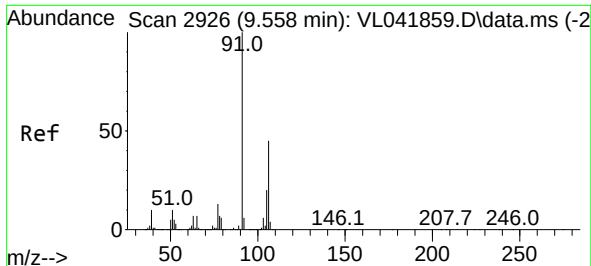


#58  
Ethyl Benzene  
Concen: 0.032 ppbv  
RT: 9.364 min Scan# 2866  
Delta R.T. -0.016 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion: 91 Resp: 1900  
Ion Ratio Lower Upper  
91 100  
106 29.1 24.2 36.2



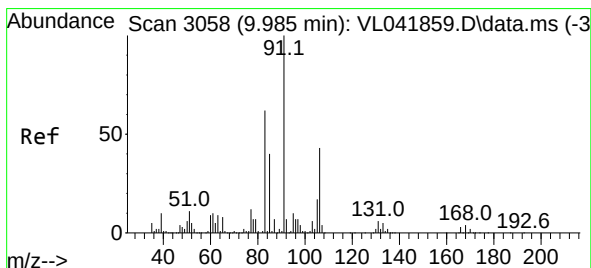
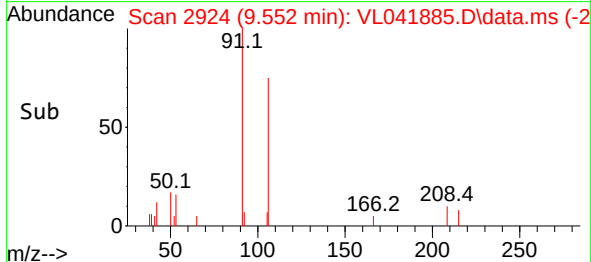
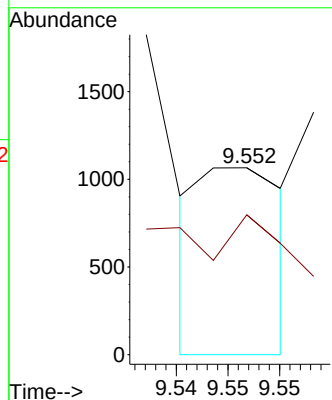
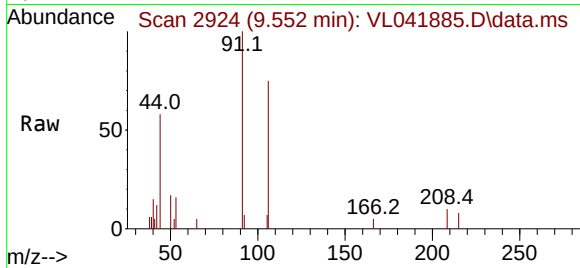




#59  
m/p-Xylene  
Concen: 0.013 ppbv  
RT: 9.552 min Scan# 2926  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

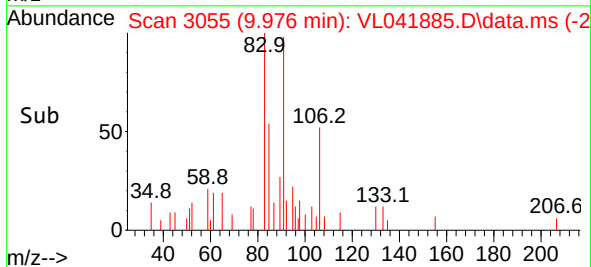
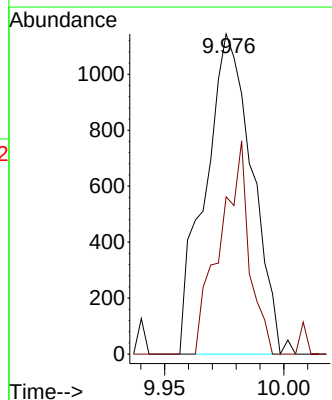
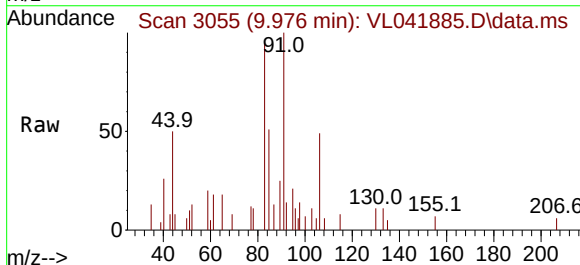
Instrument :  
MSVOA\_L  
ClientSampleId :

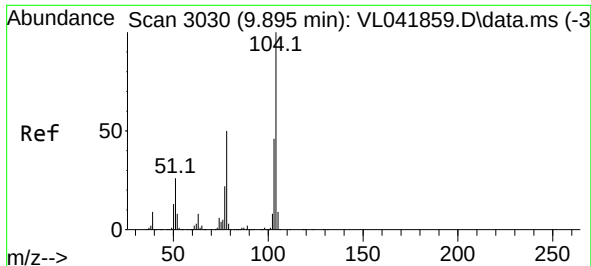
Tgt Ion: 91 Resp: 597  
Ion Ratio Lower Upper  
91 100  
106 249.9 0.0 0.0#



#60  
o-Xylene  
Concen: 0.033 ppbv  
RT: 9.976 min Scan# 3055  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

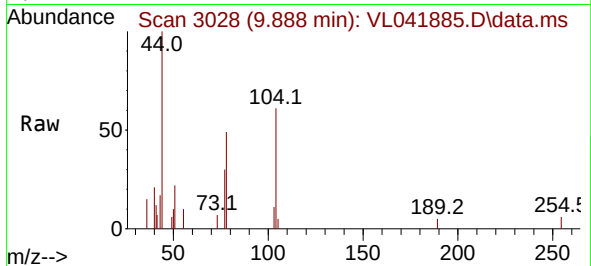
Tgt Ion: 91 Resp: 1561  
Ion Ratio Lower Upper  
91 100  
106 42.9 21.4 64.3



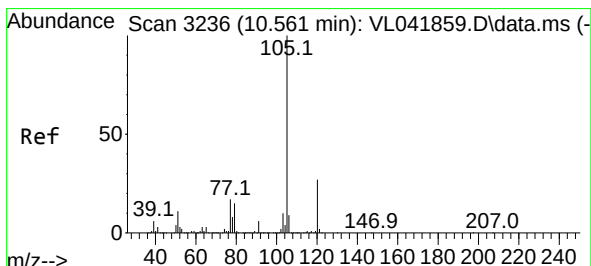
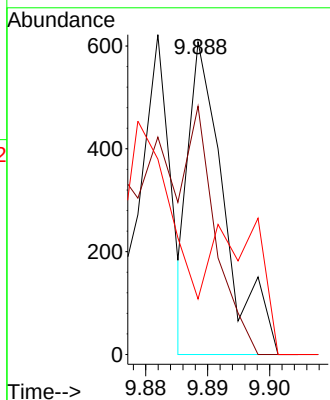
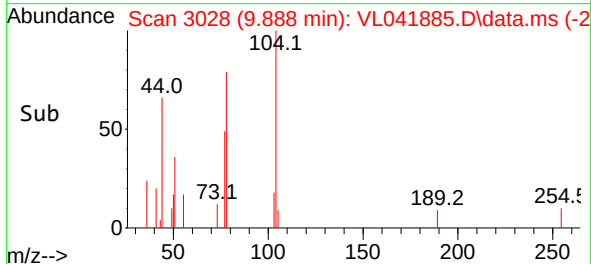


#61  
Styrene  
Concen: 0.010 ppbv  
RT: 9.888 min Scan# 3030  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

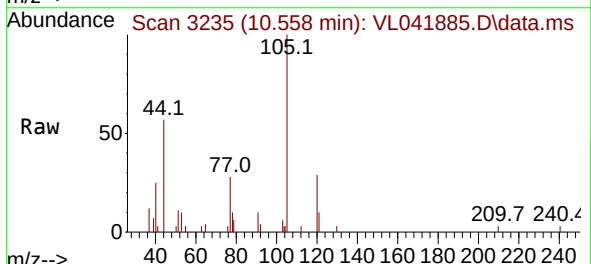
Instrument :  
MSVOA\_L  
ClientSampleId :



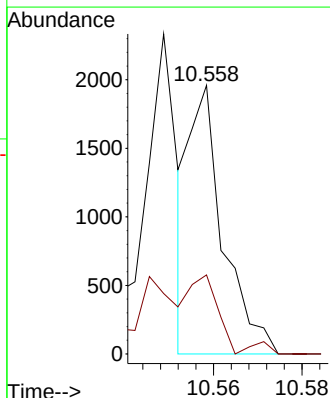
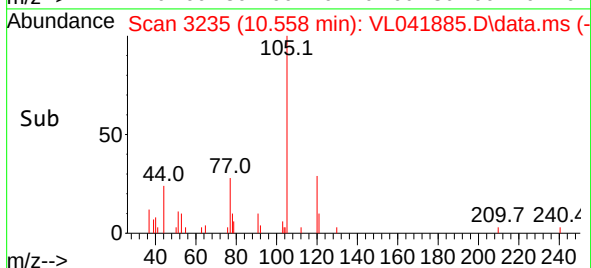
Tgt Ion:104 Resp: 238  
Ion Ratio Lower Upper  
104 100  
78 191.6 40.7 61.1#  
103 0.0 37.0 55.6#

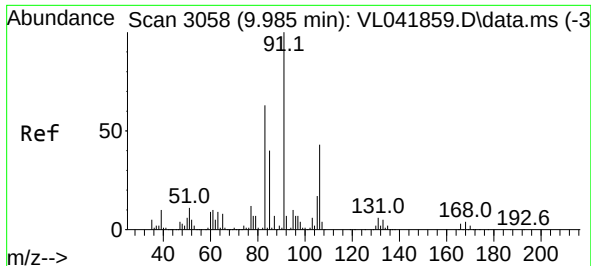


#62  
Isopropylbenzene  
Concen: 0.015 ppbv  
RT: 10.558 min Scan# 3235  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18



Tgt Ion:105 Resp: 1048  
Ion Ratio Lower Upper  
105 100  
120 59.2 20.3 30.5#





#63

1,1,2,2-Tetrachloroethane

Concen: 0.044 ppbv

RT: 9.976 min Scan# 3055

Delta R.T. -0.010 min

Lab File: VL041885.D

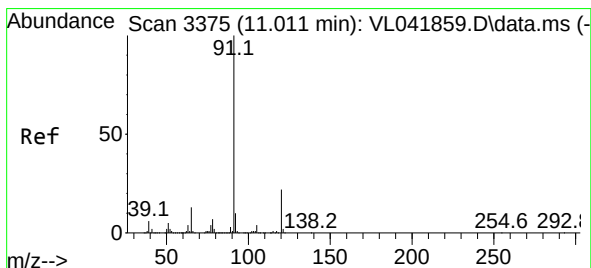
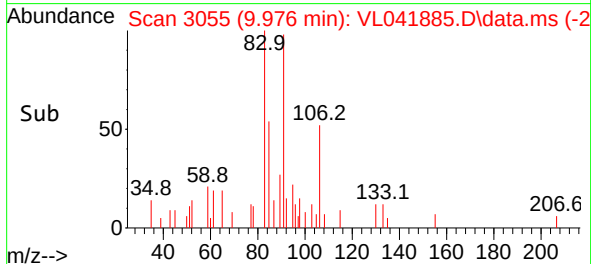
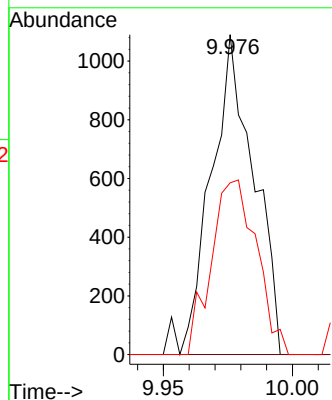
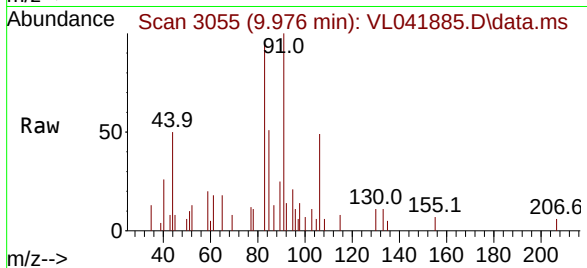
Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 1239  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 0.0   | 4.8   | 14.3# |
| 85       | 58.6  | 32.1  | 96.3  |



#64

n-propylbenzene

Concen: 0.021 ppbv

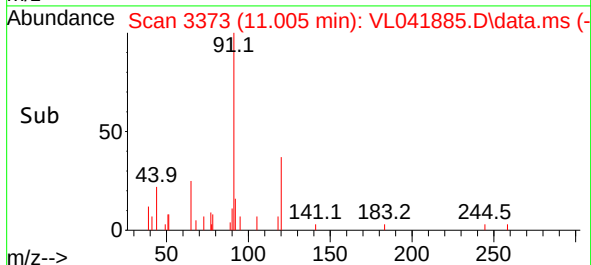
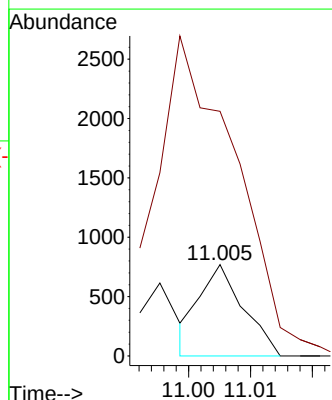
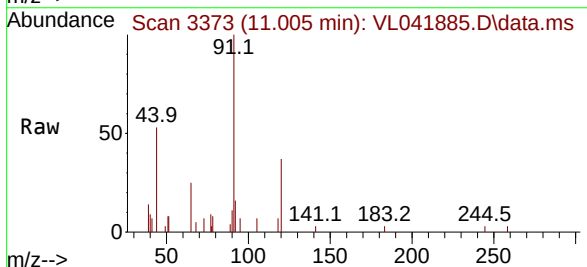
RT: 11.005 min Scan# 3373

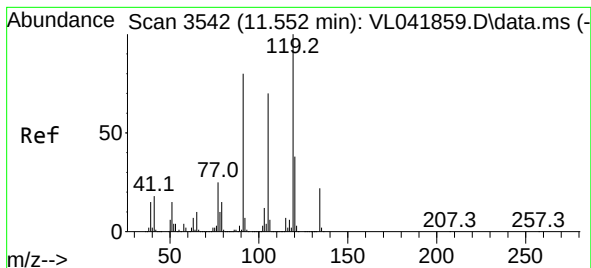
Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 120   | Resp: | 378    |
| Ion      | Ratio | Lower | Upper  |
| 120      | 100   |       |        |
| 91       | 0.0   | 376.9 | 565.3# |





#65

tert-Butylbenzene

Concen: 0.029 ppbv

RT: 11.546 min Scan# 3540

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :

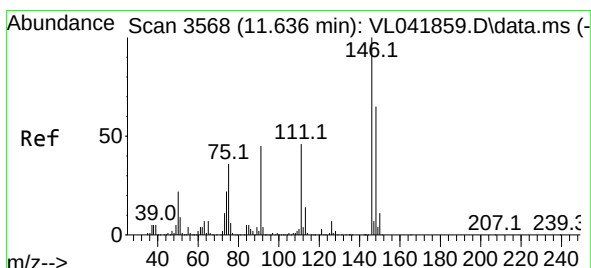
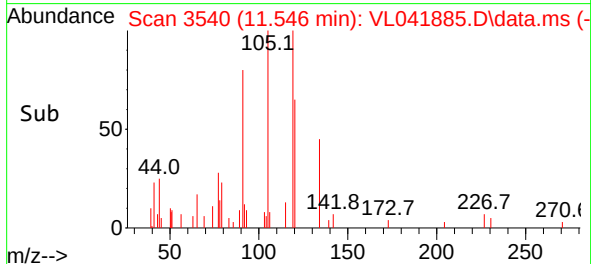
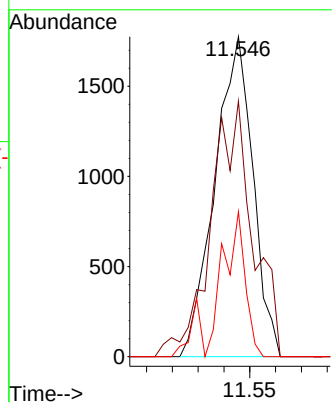
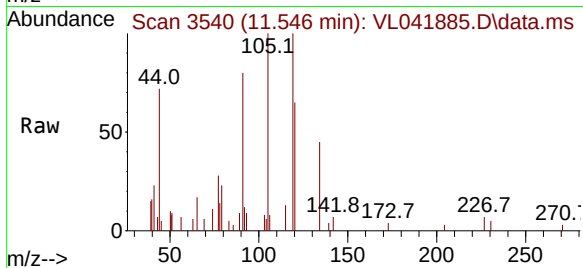
Tgt Ion:119 Resp: 1819

Ion Ratio Lower Upper

119 100

91 87.8 64.6 97.0

134 31.1 16.9 25.3#



#66

Benzyl Chloride

Concen: 0.011 ppbv

RT: 11.633 min Scan# 3567

Delta R.T. -0.003 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

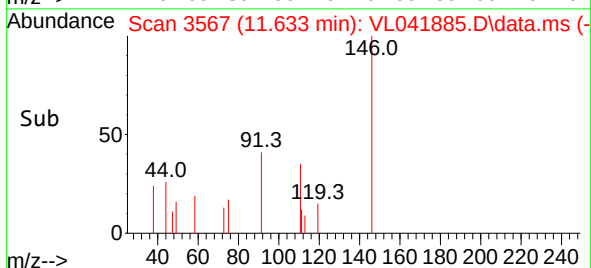
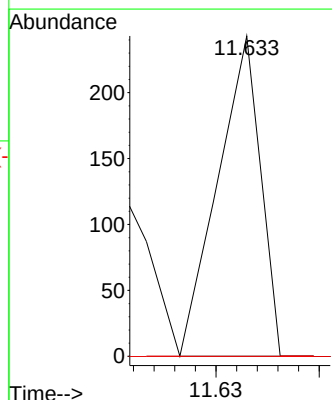
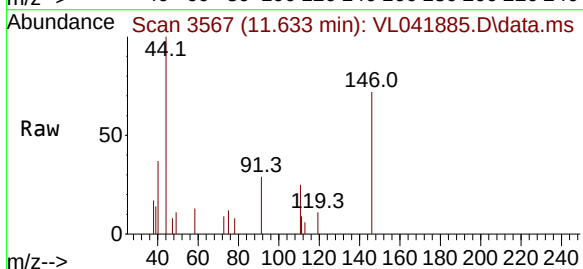
Tgt Ion: 91 Resp: 70

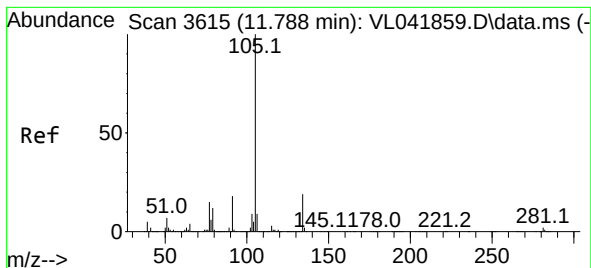
Ion Ratio Lower Upper

91 100

126 0.0 13.9 20.9#

128 0.0 4.8 7.2#





#67

sec-Butylbenzene

Concen: 0.034 ppbv

RT: 11.779 min Scan# 3183

Delta R.T. -0.010 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

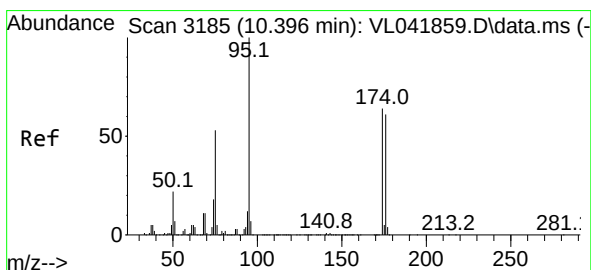
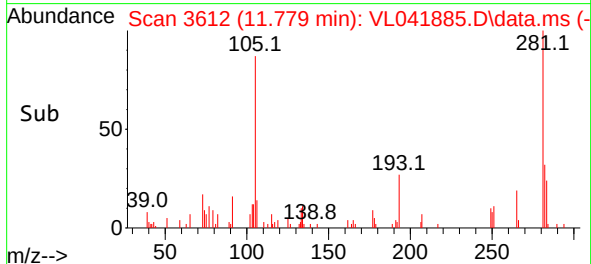
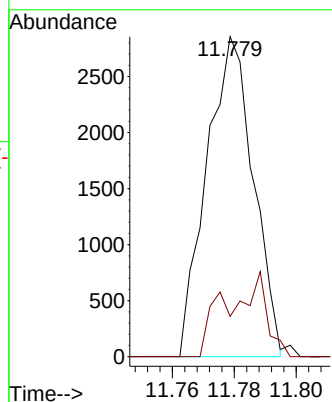
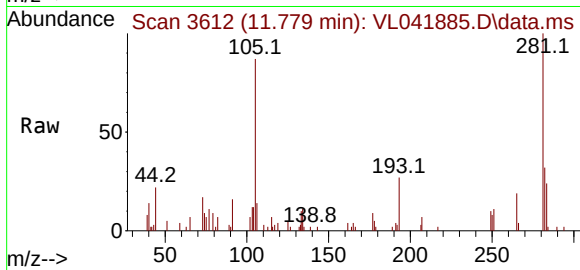
ClientSampleId :

Tgt Ion:105 Resp: 2987

Ion Ratio Lower Upper

105 100

134 22.3 15.4 23.2



#68

1-Bromo-4-Fluorobenzene

Concen: 10.179 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

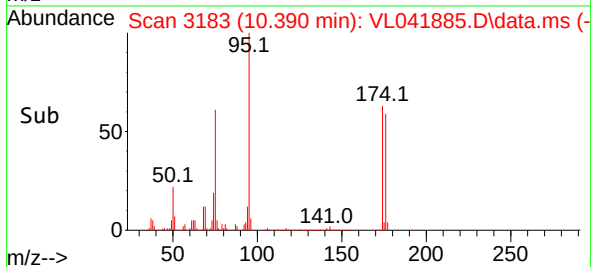
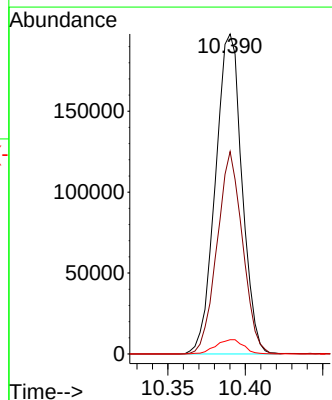
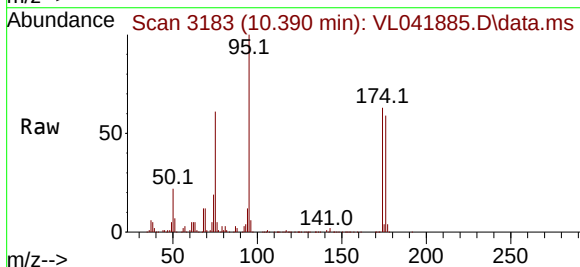
Tgt Ion: 95 Resp: 235590

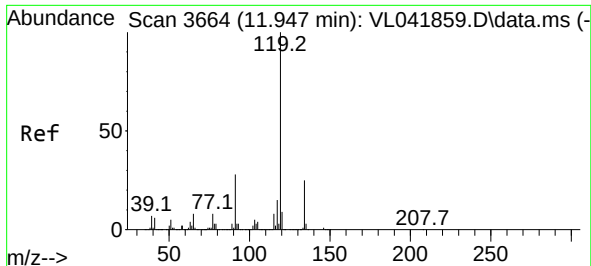
Ion Ratio Lower Upper

95 100

174 61.1 51.1 76.7

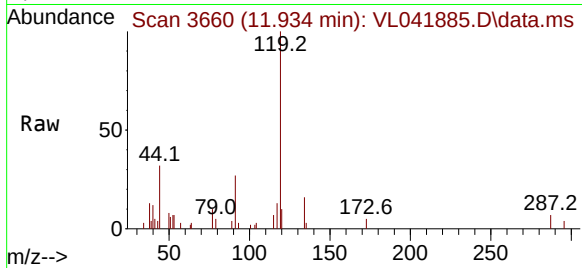
175 4.7 3.8 5.8



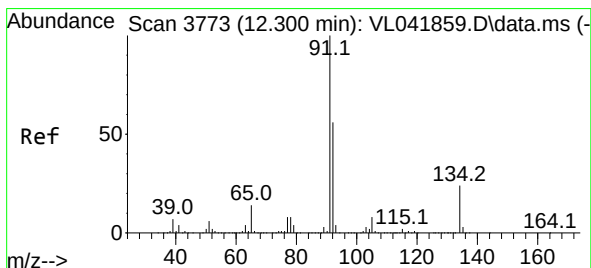
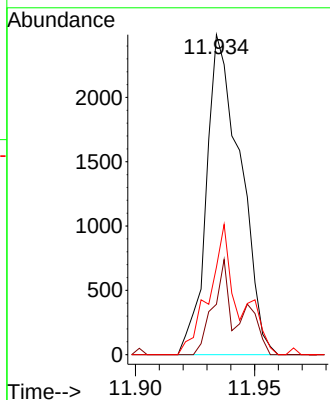
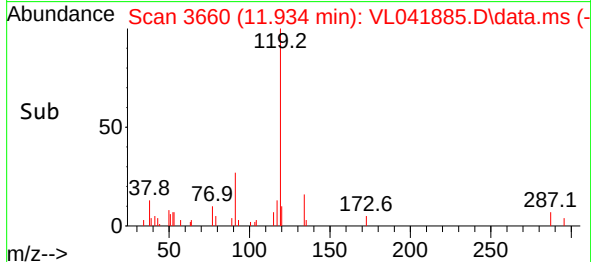


#69  
p-Isopropyltoluene  
Concen: 0.033 ppbv  
RT: 11.934 min Scan# 3660  
Delta R.T. -0.013 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

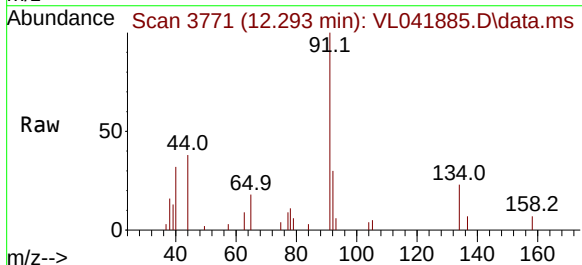
Instrument :  
MSVOA\_L  
ClientSampleId :



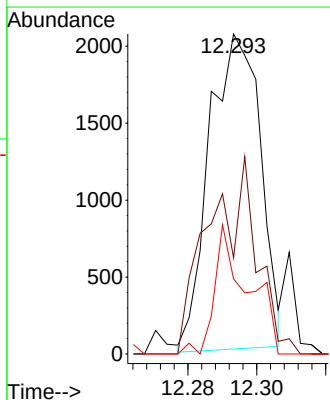
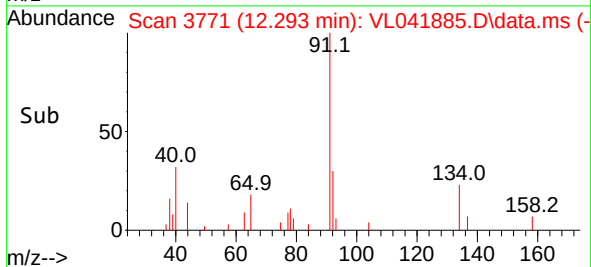
Tgt Ion:119 Resp: 2466  
Ion Ratio Lower Upper  
119 100  
134 22.1 20.3 30.5  
91 36.3 22.6 34.0#

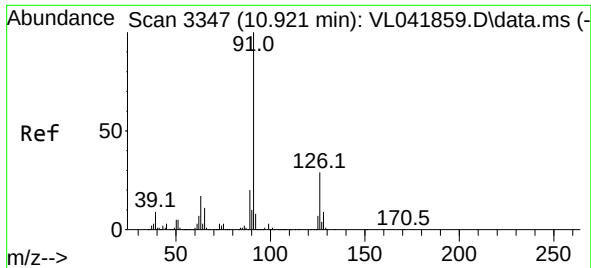


#70  
n-Butylbenzene  
Concen: 0.028 ppbv  
RT: 12.293 min Scan# 3771  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18



Tgt Ion: 91 Resp: 2118  
Ion Ratio Lower Upper  
91 100  
92 58.3 43.8 65.8  
134 26.7 19.3 28.9

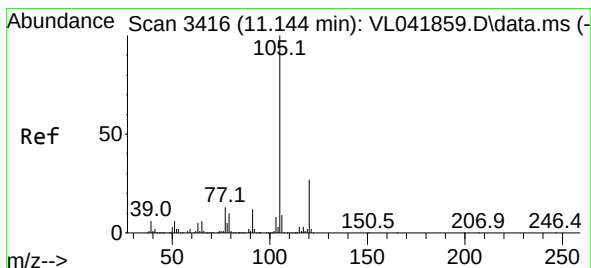
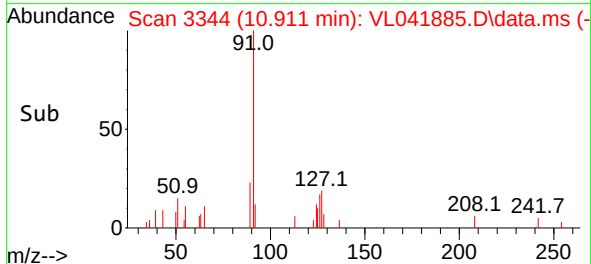
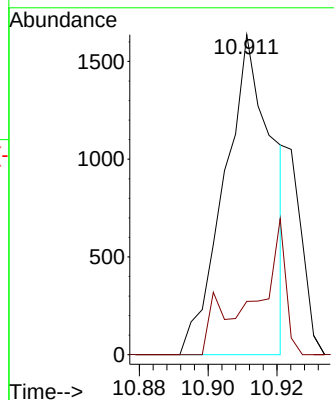
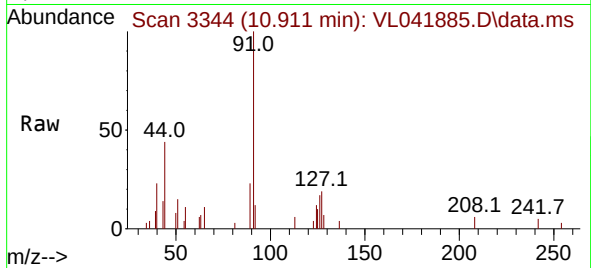




#71  
2-Chlorotoluene  
Concen: 0.029 ppbv  
RT: 10.911 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

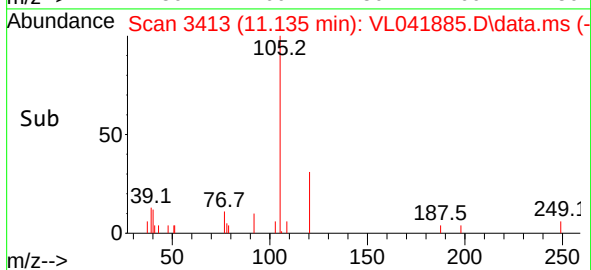
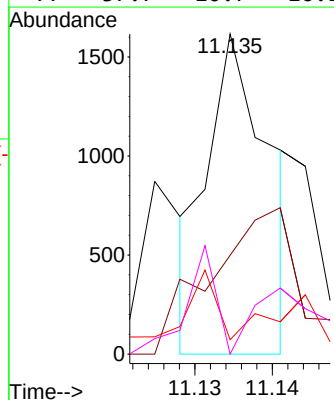
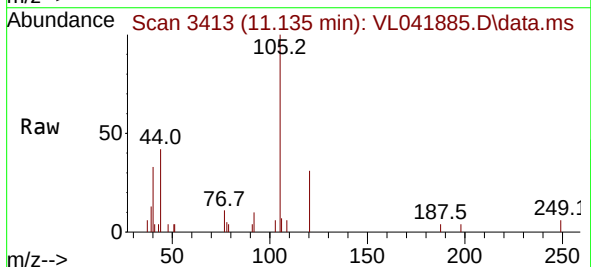
Instrument :  
MSVOA\_L  
ClientSampleId :

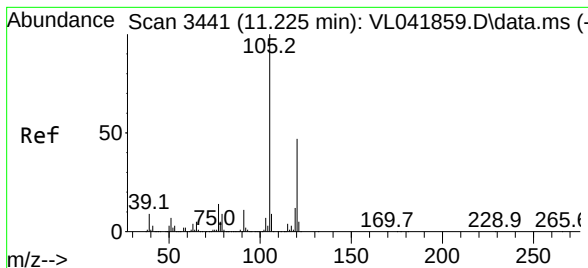
Tgt Ion: 91 Resp: 1581  
Ion Ratio Lower Upper  
91 100  
126 28.2 11.6 46.6



#72  
4-Ethyltoluene  
Concen: 0.015 ppbv  
RT: 11.135 min Scan# 3413  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

Tgt Ion:105 Resp: 887  
Ion Ratio Lower Upper  
105 100  
120 72.4 23.5 35.3#  
91 40.1 9.8 14.8#  
77 37.7 10.7 16.1#





#73

1,3,5-Trimethylbenzene

Concen: 0.018 ppbv

RT: 11.215 min Scan# 3441

Delta R.T. -0.010 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

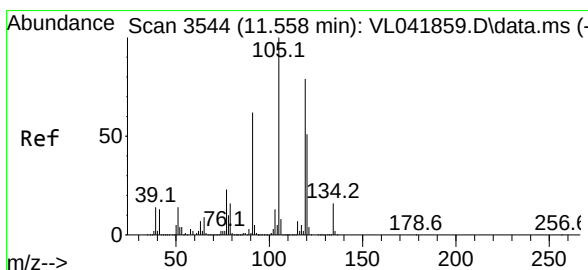
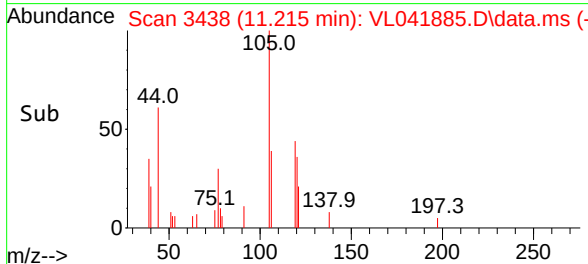
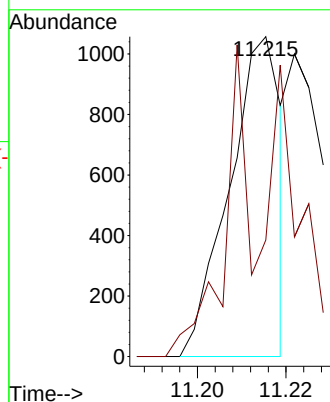
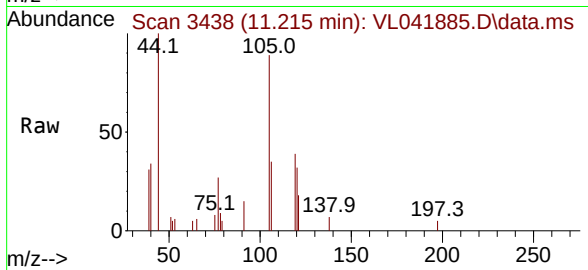
ClientSampleId :

Tgt Ion:105 Resp: 856

Ion Ratio Lower Upper

105 100

120 29.6 37.2 55.8#



#74

1,2,4-Trimethylbenzene

Concen: 0.012 ppbv

RT: 11.552 min Scan# 3542

Delta R.T. -0.006 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

Tgt Ion:105 Resp: 645

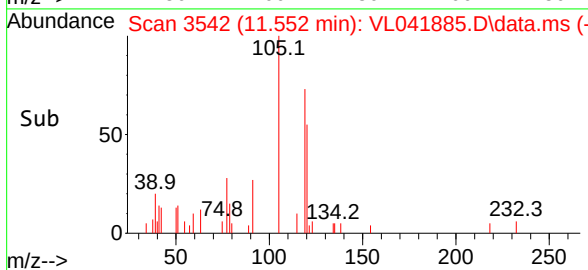
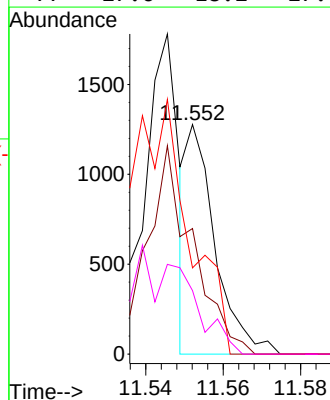
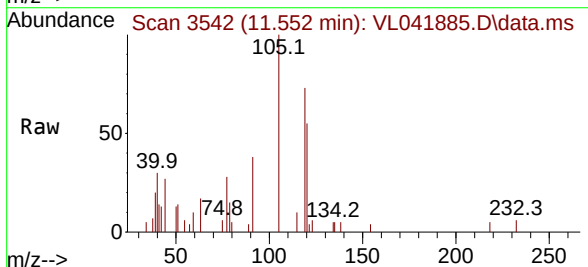
Ion Ratio Lower Upper

105 100

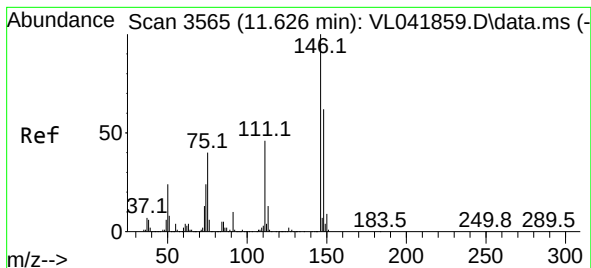
120 54.7 41.1 61.7

91 37.5 50.0 75.0#

77 27.6 18.2 27.4#







#75

1,3-Dichlorobenzene

Concen: 0.028 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. -0.006 min

Lab File: VL041885.D

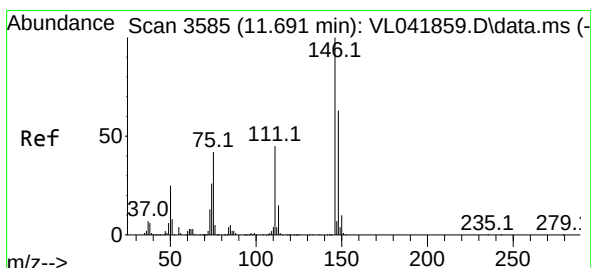
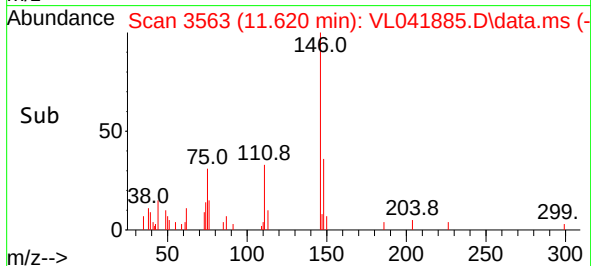
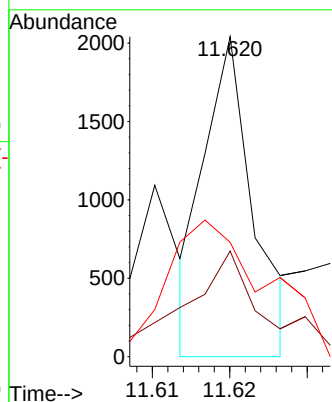
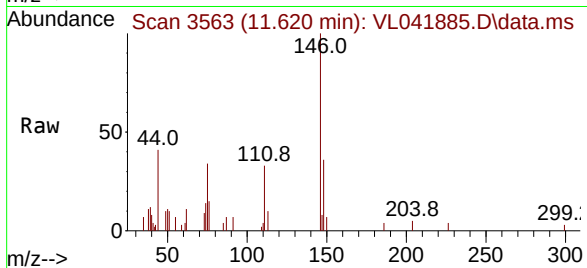
Acq: 10 Jan 2025 01:18

Instrument :

MSVOA\_L

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 896       |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 60.9  | 23.2 69.5 |
| 148         | 87.2  | 31.6 94.7 |



#76

1,4-Dichlorobenzene

Concen: 0.037 ppbv

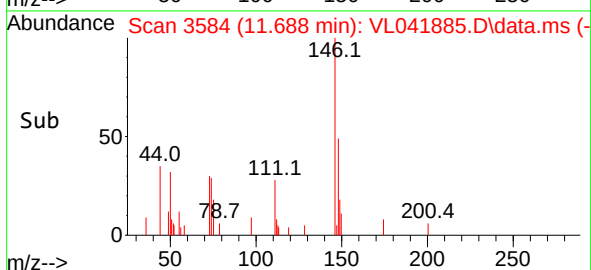
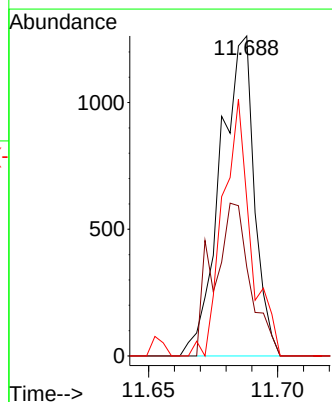
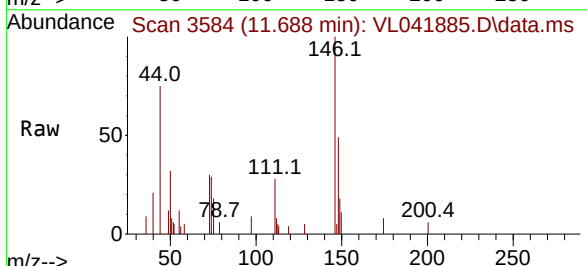
RT: 11.688 min Scan# 3584

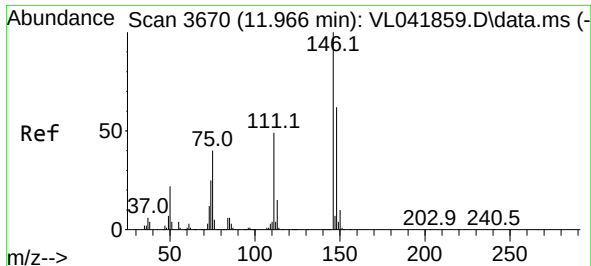
Delta R.T. -0.003 min

Lab File: VL041885.D

Acq: 10 Jan 2025 01:18

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 1161      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 51.0  | 22.1 66.1 |
| 148         | 65.5  | 31.2 93.6 |

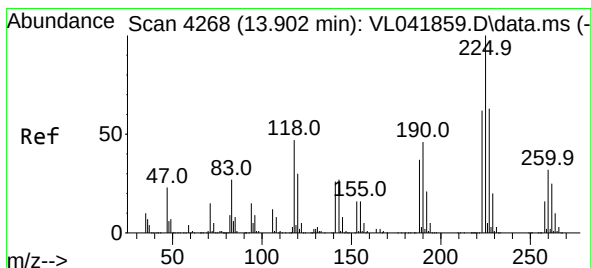
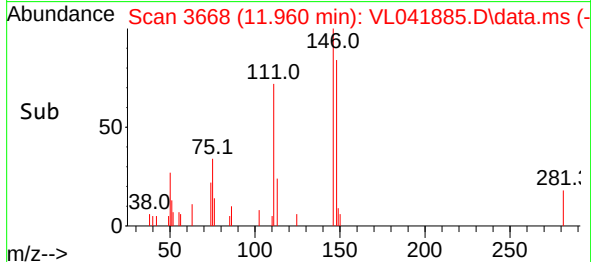
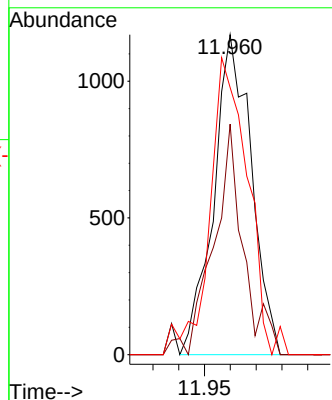
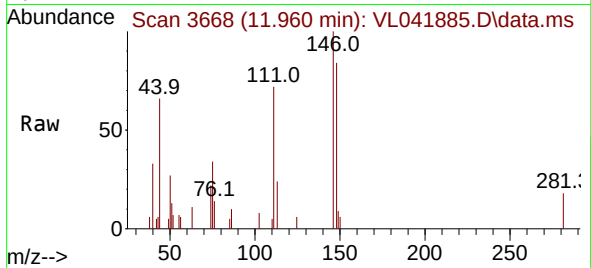




#77  
1,2-Dichlorobenzene  
Concen: 0.040 ppbv  
RT: 11.960 min Scan# 30  
Delta R.T. -0.006 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

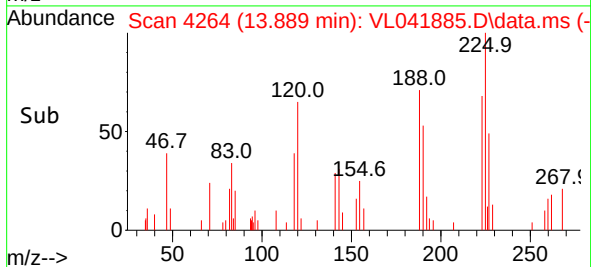
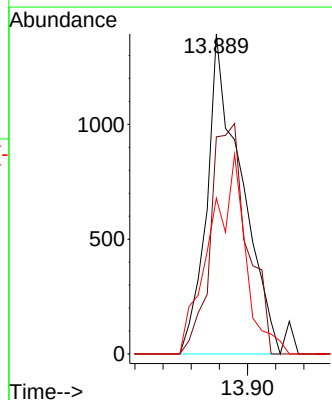
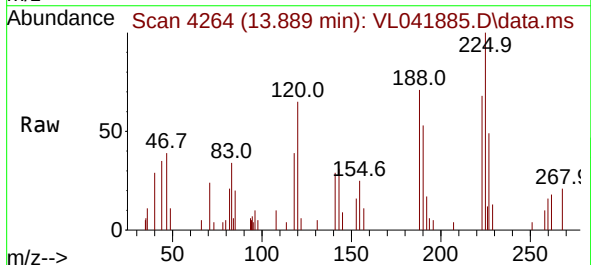
Instrument :  
MSVOA\_L  
ClientSampleId :

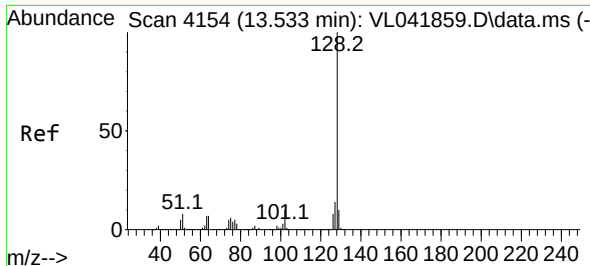
Tgt Ion:146 Resp: 1186  
Ion Ratio Lower Upper  
146 100  
111 57.3 24.1 72.3  
148 93.8 31.5 94.5



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.046 ppbv  
RT: 13.889 min Scan# 4264  
Delta R.T. -0.013 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

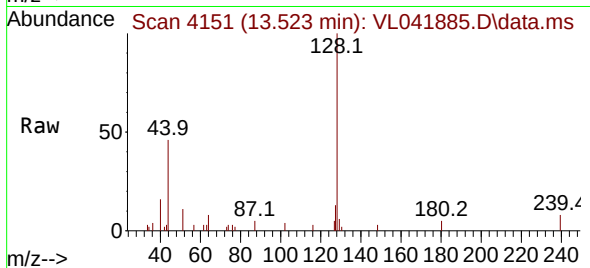
Tgt Ion:225 Resp: 1180  
Ion Ratio Lower Upper  
225 100  
223 76.4 50.6 75.8#  
227 64.3 50.9 76.3



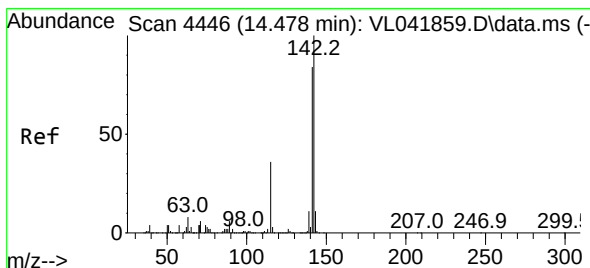
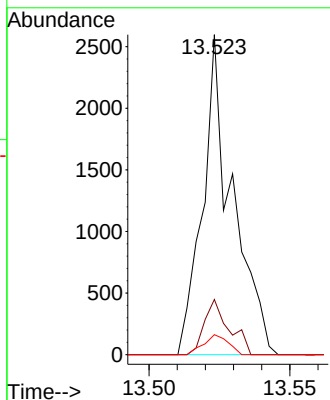
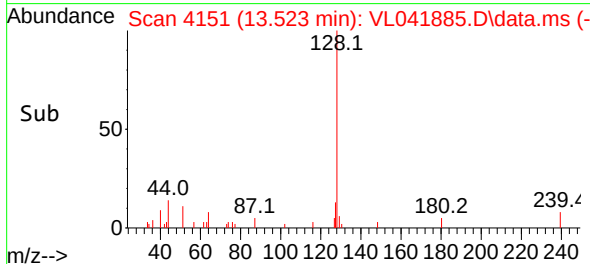


#79  
Naphthalene  
Concen: 0.033 ppbv  
RT: 13.523 min Scan# 4154  
Delta R.T. -0.010 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18

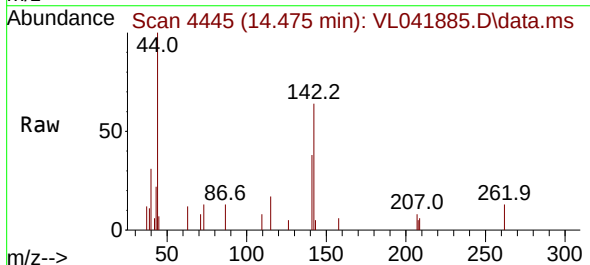
Instrument :  
MSVOA\_L  
ClientSampleId :



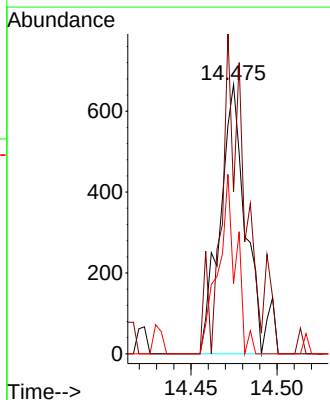
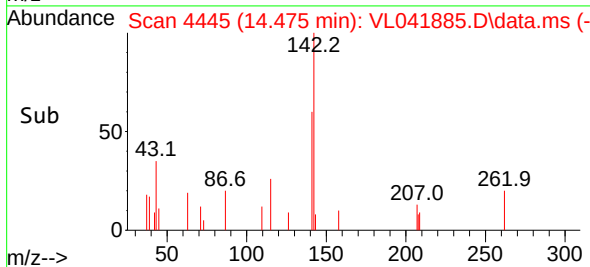
Tgt Ion:128 Resp: 1897  
Ion Ratio Lower Upper  
128 100  
127 17.3 10.8 16.2#  
129 6.2 8.2 12.4#

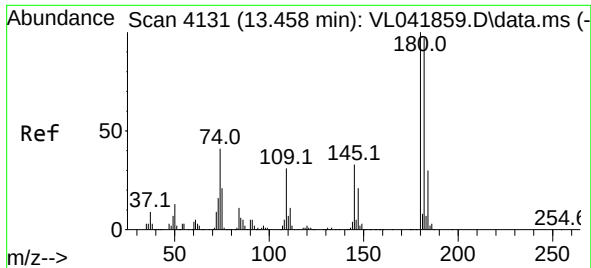


#80  
Naphthalene,2-methyl-  
Concen: 0.023 ppbv  
RT: 14.475 min Scan# 4445  
Delta R.T. -0.003 min  
Lab File: VL041885.D  
Acq: 10 Jan 2025 01:18



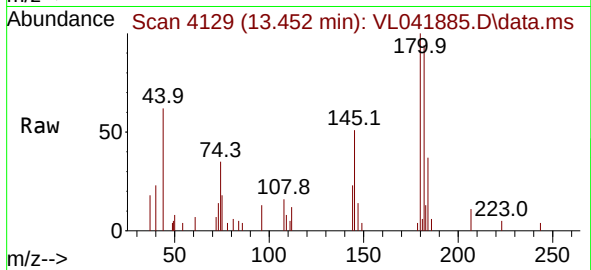
Tgt Ion:142 Resp: 711  
Ion Ratio Lower Upper  
142 100  
141 109.8 68.2 102.4#  
115 48.8 29.4 44.2#





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.035 ppbv  
 RT: 13.452 min Scan# 41  
 Delta R.T. -0.006 min  
 Lab File: VL041885.D  
 Acq: 10 Jan 2025 01:18

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion:180 Resp: 944  
 Ion Ratio Lower Upper  
 180 100  
 182 115.0 75.8 113.8#  
 184 39.8 24.1 36.1#

