

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042351.D  
 Acq On : 17 Apr 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Quant Time: Apr 18 01:27:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 01:24:29 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.791 | 49   | 124177   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 359907   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 329090   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 10.377 | 95    | 269087   | 9.950    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.500% |

| Target Compounds              |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 22816 | 1.040 | ppbv   | 93     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 20573 | 0.985 | ppbv   | 97     |
| 4) Chloromethane              | 1.535 | 50  | 9008  | 1.038 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.580 | 62  | 8807  | 0.932 | ppbv   | 98     |
| 6) Bromomethane               | 1.671 | 94  | 4099  | 1.001 | ppbv   | 91     |
| 7) Chloroethane               | 1.706 | 64  | 3559  | 1.041 | ppbv   | 90     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 19251 | 1.022 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 9892  | 1.040 | ppbv   | 92     |
| 10) Heptane                   | 4.982 | 43  | 16193 | 0.633 | ppbv # | 49     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 22428 | 1.075 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 17865 | 1.047 | ppbv   | 98     |
| 13) Ethanol                   | 1.722 | 45  | 810   | 1.042 | ppbv # | 43     |
| 14) Bromoethene               | 1.784 | 108 | 6766  | 1.052 | ppbv # | 89     |
| 15) Acetone                   | 1.839 | 43  | 23537 | 1.158 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 9495  | 0.995 | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 26477 | 1.051 | ppbv # | 90     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 7890  | 0.962 | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.888 | 45  | 12175 | 1.078 | ppbv # | 39     |
| 20) Methylene Chloride        | 2.062 | 84  | 9046  | 1.136 | ppbv   | 87     |
| 21) Allyl Chloride            | 2.098 | 41  | 15057 | 1.073 | ppbv   | 91     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 9421  | 1.038 | ppbv   | 96     |
| 23) Vinyl Acetate             | 2.467 | 43  | 9234  | 1.122 | ppbv # | 90     |
| 24) 1,1-Dichloroethane        | 2.409 | 63  | 18236 | 1.058 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.842 | 43  | 51494 | 1.027 | ppbv # | 97     |
| 26) Hexane                    | 2.826 | 57  | 21350 | 1.053 | ppbv   | 95     |
| 27) Carbon Disulfide          | 2.153 | 76  | 20739 | 0.955 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 14164 | 1.066 | ppbv # | 85     |
| 29) Chloroform                | 2.852 | 83  | 28973 | 1.011 | ppbv   | 100    |
| 30) Cyclohexane               | 3.862 | 84  | 8430  | 0.516 | ppbv # | 1      |
| 31) cis-1,2-Dichloroethene    | 2.723 | 61  | 19904 | 1.032 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 31653 | 1.030 | ppbv   | 98     |
| 34) 2-Butanone                | 2.564 | 43  | 29735 | 1.045 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.768 | 117 | 29875 | 0.917 | ppbv   | 94     |
| 36) Benzene                   | 3.661 | 78  | 38707 | 0.997 | ppbv   | 95     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 23284 | 0.999 | ppbv   | 97     |
| 38) Trichloroethene           | 4.551 | 130 | 16119 | 0.947 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.318 | 63  | 14866 | 1.027 | ppbv   | 96     |
| 40) 1,4-Dioxane               | 4.603 | 88  | 967   | 0.123 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 3.062 | 42  | 17259 | 1.049 | ppbv   | 96     |
| 42) Bromodichloromethane      | 4.490 | 83  | 32721 | 1.009 | ppbv # | 98     |
| 43) Methyl Methacrylate       | 4.885 | 69  | 13084 | 0.751 | ppbv # | 47     |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 28653 | 0.427 | ppbv # | 21     |
| 45) t-1,3-Dichloropropene     | 6.416 | 75  | 11763 | 0.658 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL041725\  
 Data File : VL042351.D  
 Acq On : 17 Apr 2025 10:48  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

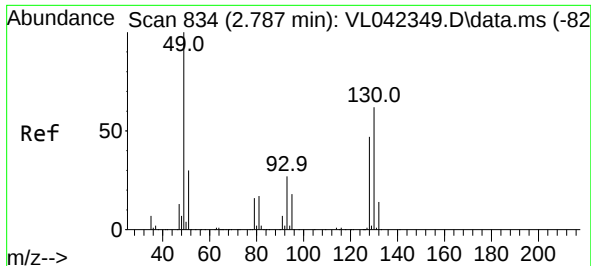
Quant Time: Apr 18 01:27:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Apr 18 01:24:29 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.603  | 75   | 13028    | 0.596 | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.587  | 97   | 7690     | 0.521 | ppbv # | 78       |
| 48) Dibromochloromethane      | 7.390  | 129  | 25948    | 0.997 | ppbv   | 100      |
| 49) Bromoform                 | 9.484  | 173  | 22413    | 0.984 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.765  | 43   | 49725    | 1.049 | ppbv   | 97       |
| 51) 2-Hexanone                | 7.445  | 43   | 47178    | 1.103 | ppbv   | 99       |
| 52) Tetrachloroethene         | 8.228  | 164  | 14154    | 0.943 | ppbv   | 93       |
| 53) Toluene                   | 6.940  | 91   | 46611    | 1.001 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.658  | 107  | 21780    | 1.036 | ppbv   | 93       |
| 56) 1,1,1,2-Tetrachloroethane | 8.927  | 131  | 21052    | 1.057 | ppbv   | 95       |
| 57) Chlorobenzene             | 8.921  | 112  | 35113    | 1.026 | ppbv # | 95       |
| 58) Ethyl Benzene             | 9.354  | 91   | 68703    | 1.054 | ppbv   | 96       |
| 59) m/p-Xylene                | 9.552  | 91   | 48794    | 0.926 | ppbv # | 32       |
| 60) o-Xylene                  | 9.966  | 91   | 55831    | 1.056 | ppbv   | 99       |
| 61) Styrene                   | 9.872  | 104  | 25544    | 1.012 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.542 | 105  | 81286    | 1.047 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 32410    | 0.943 | ppbv   | 99       |
| 64) n-propylbenzene           | 10.989 | 120  | 19898    | 1.019 | ppbv   | 90       |
| 65) tert-Butylbenzene         | 11.533 | 119  | 77598    | 1.087 | ppbv   | 92       |
| 66) Benzyl Chloride           | 11.617 | 91   | 7864     | 1.003 | ppbv # | 91       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 105919   | 1.067 | ppbv   | 97       |
| 69) p-Isopropyltoluene        | 11.928 | 119  | 92733    | 1.075 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.284 | 91   | 96306    | 1.072 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.905 | 91   | 63321    | 1.040 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 69698    | 1.078 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 60927    | 1.067 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 73888    | 1.108 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 36877    | 1.064 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 36692    | 1.053 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 35977    | 1.068 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 37377    | 1.098 | ppbv   | 99       |
| 79) Naphthalene               | 13.517 | 128  | 90710    | 1.138 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 50487    | 1.111 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 36764    | 1.074 | ppbv   | 99       |

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

Quant Time: Apr 18 01:27:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL041725AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri Apr 18 01:24:29 2025  
Response via : Initial Calibration

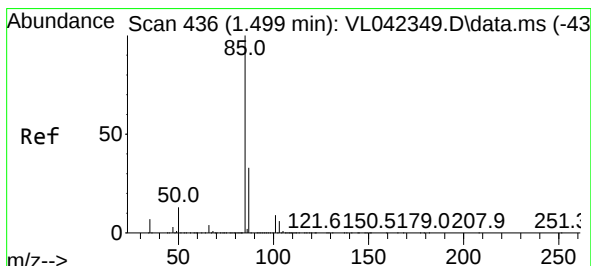
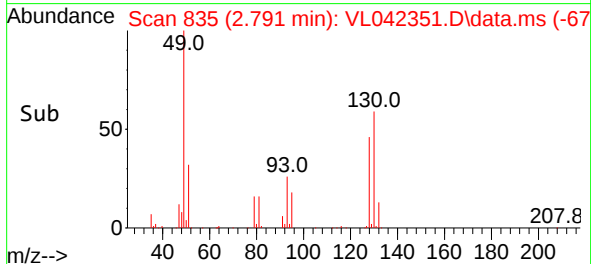
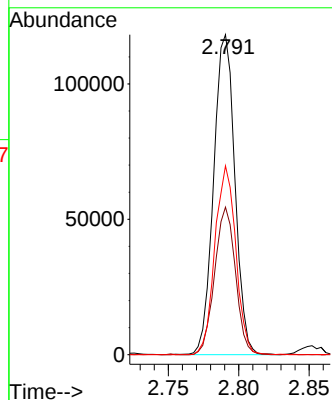
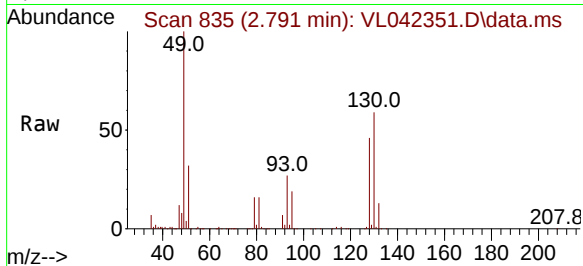




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.791 min Scan# 834  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

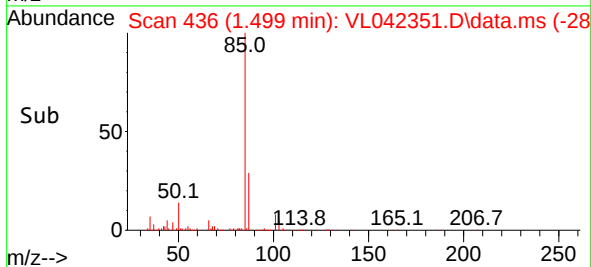
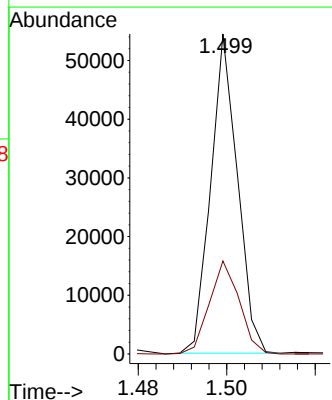
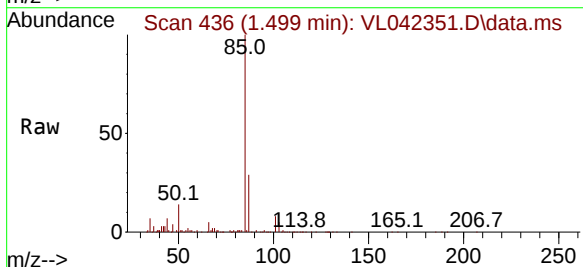
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

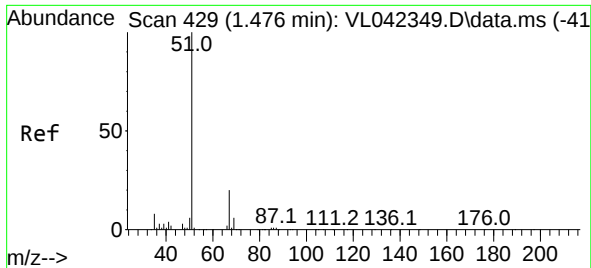
Tgt Ion: 49 Resp: 124177  
Ion Ratio Lower Upper  
49 100  
128 45.2 22.8 68.4  
130 58.1 29.3 88.0



#2  
Dichlorodifluoromethane  
Concen: 1.040 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 22816  
Ion Ratio Lower Upper  
85 100  
87 29.1 26.6 39.8





#3

Chlorodifluoromethane

Concen: 0.985 ppbv

RT: 1.476 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

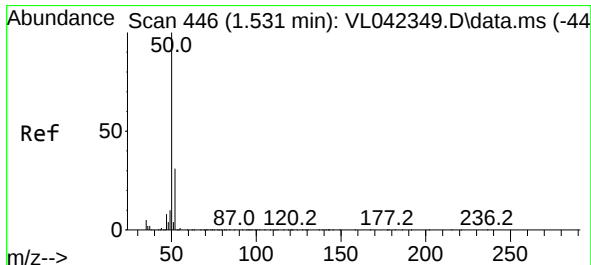
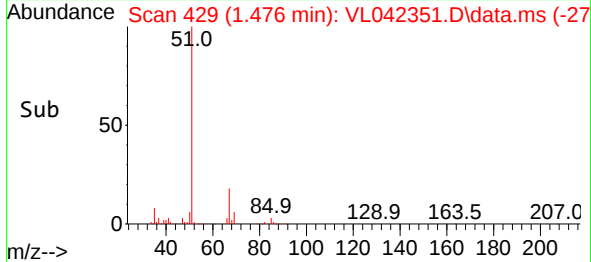
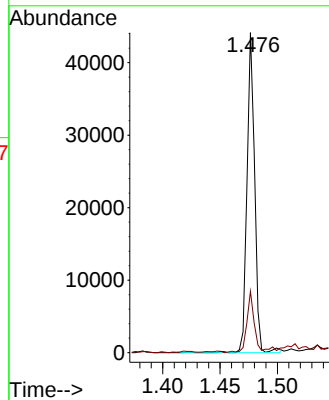
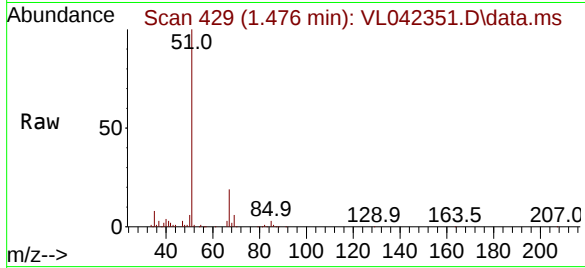
VSTDICC001

Tgt Ion: 51 Resp: 20573

Ion Ratio Lower Upper

51 100

67 19.1 16.2 24.4



#4

Chloromethane

Concen: 1.038 ppbv

RT: 1.535 min Scan# 447

Delta R.T. 0.004 min

Lab File: VL042351.D

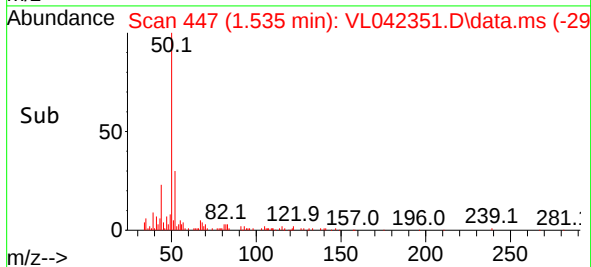
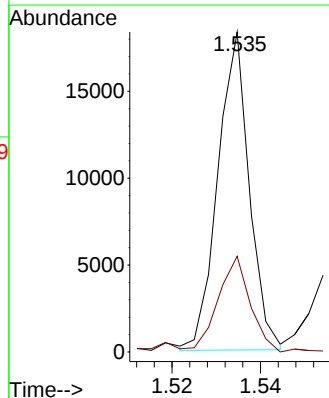
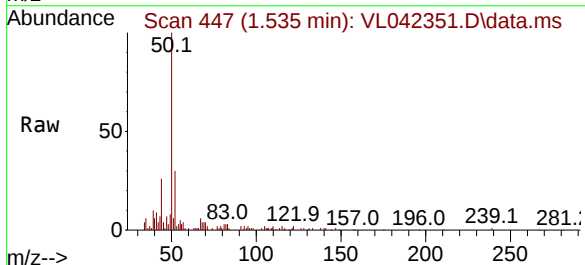
Acq: 17 Apr 2025 10:48

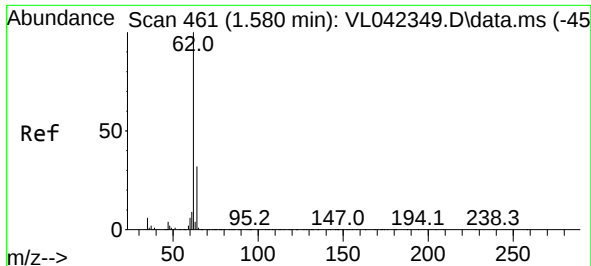
Tgt Ion: 50 Resp: 9008

Ion Ratio Lower Upper

50 100

52 30.4 24.7 37.1

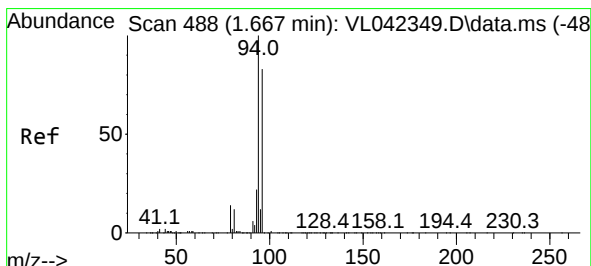
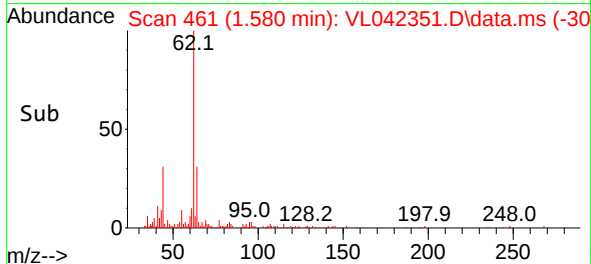
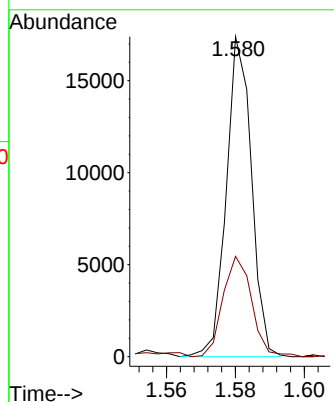
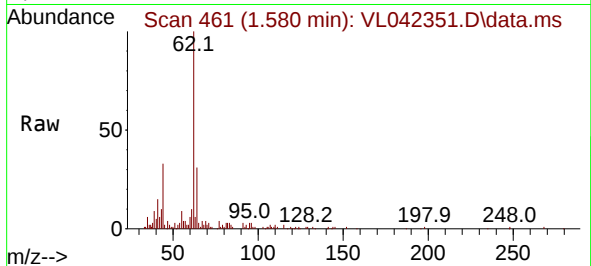




#5  
 Vinyl Chloride  
 Concen: 0.932 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

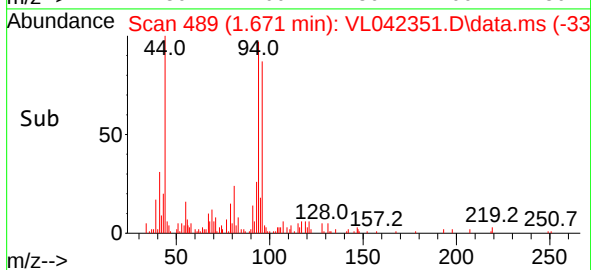
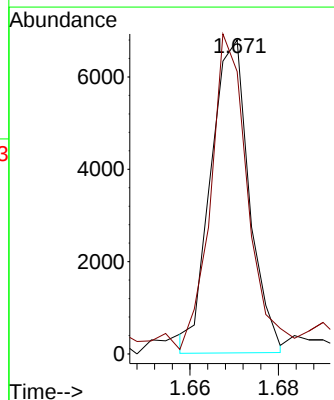
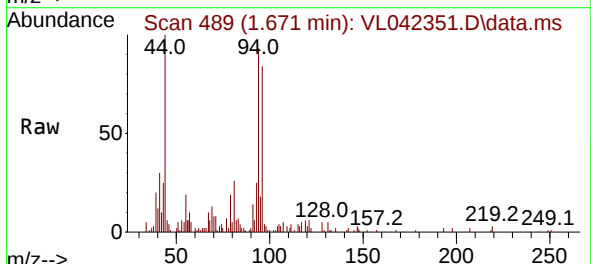
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC001

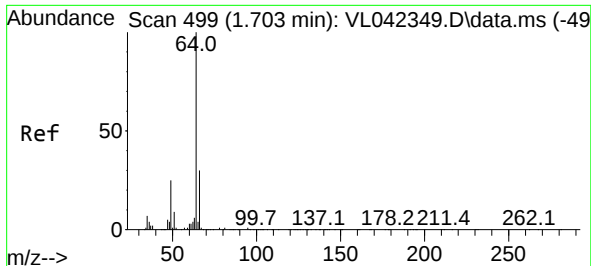
Tgt Ion: 62 Resp: 8807  
 Ion Ratio Lower Upper  
 62 100  
 64 30.5 25.4 38.0



#6  
 Bromomethane  
 Concen: 1.001 ppbv  
 RT: 1.671 min Scan# 489  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion: 94 Resp: 4099  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 66.2 99.2

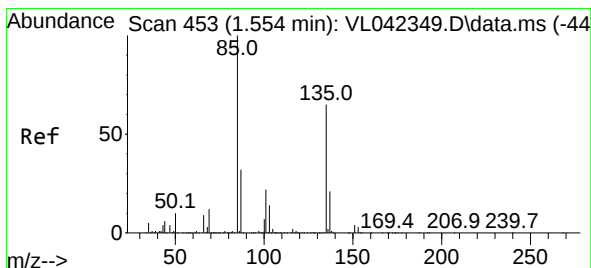
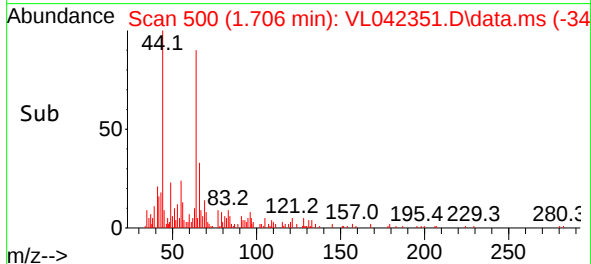
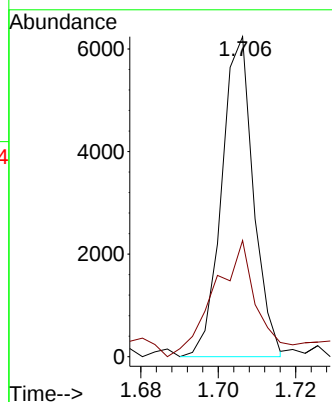
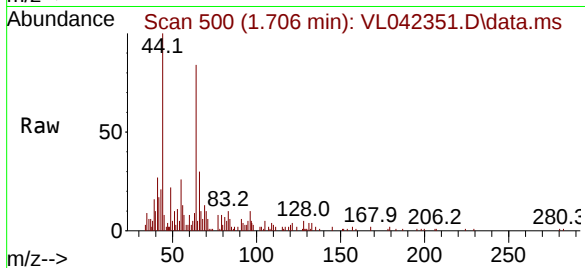




#7  
Chloroethane  
Concen: 1.041 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

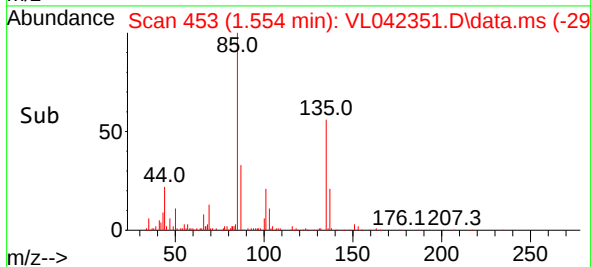
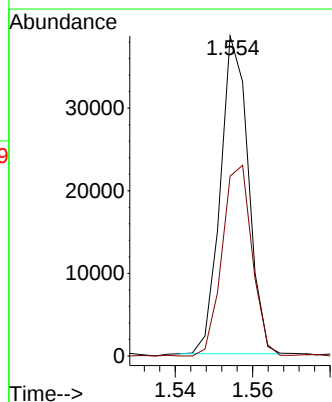
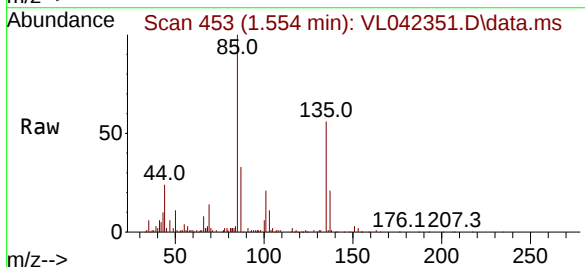
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

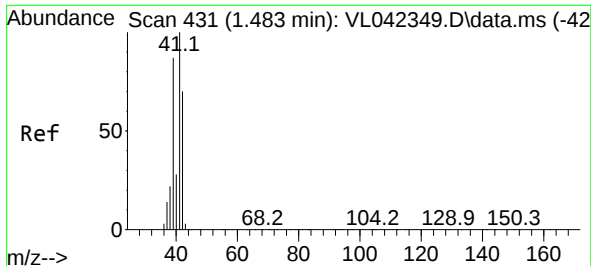
Tgt Ion: 64 Resp: 3559  
Ion Ratio Lower Upper  
64 100  
66 36.3 24.6 37.0



#8  
Dichlorotetrafluoroethane  
Concen: 1.022 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 85 Resp: 19251  
Ion Ratio Lower Upper  
85 100  
135 65.2 52.2 78.2





#9

Propene

Concen: 1.040 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

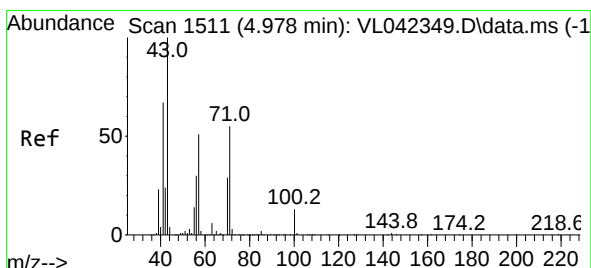
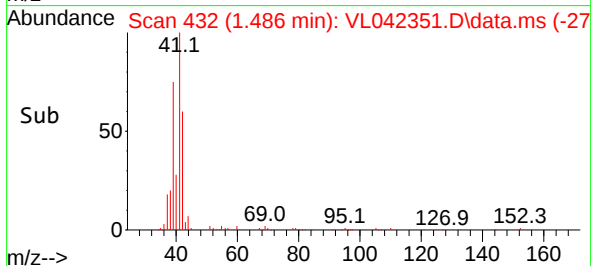
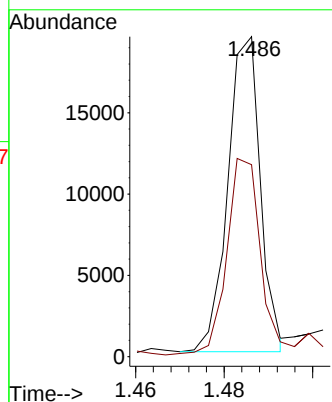
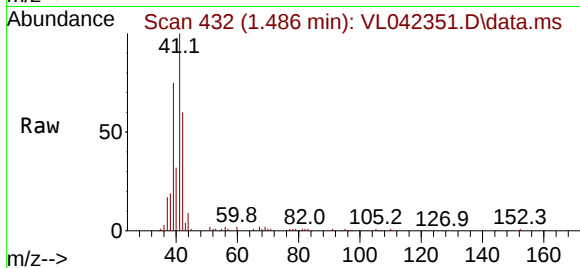
VSTDIC001

Tgt Ion: 41 Resp: 9892

Ion Ratio Lower Upper

41 100

42 77.2 56.2 84.4



#10

Heptane

Concen: 0.633 ppbv

RT: 4.982 min Scan# 1512

Delta R.T. 0.004 min

Lab File: VL042351.D

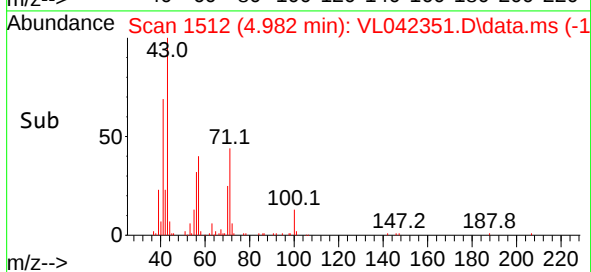
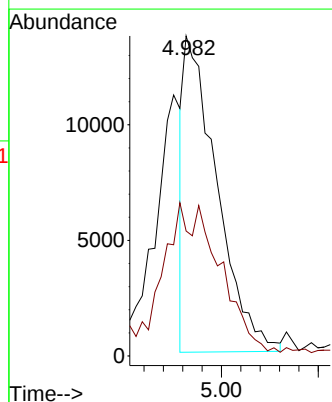
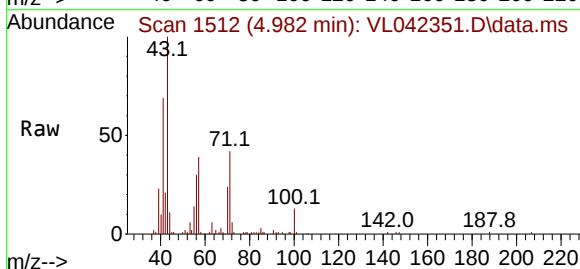
Acq: 17 Apr 2025 10:48

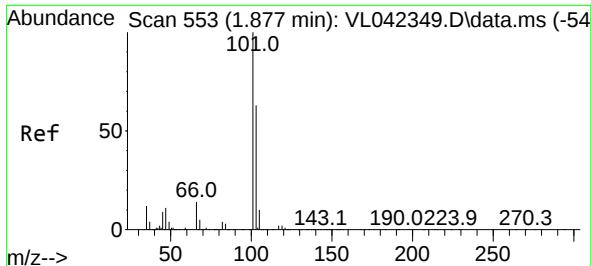
Tgt Ion: 43 Resp: 16193

Ion Ratio Lower Upper

43 100

57 84.7 39.9 59.9#

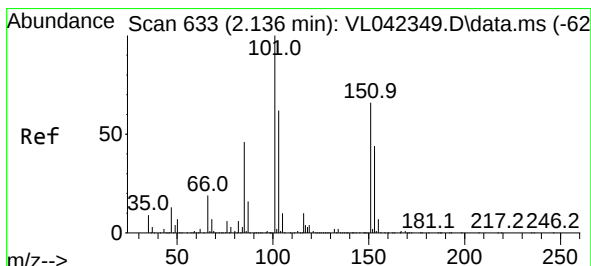
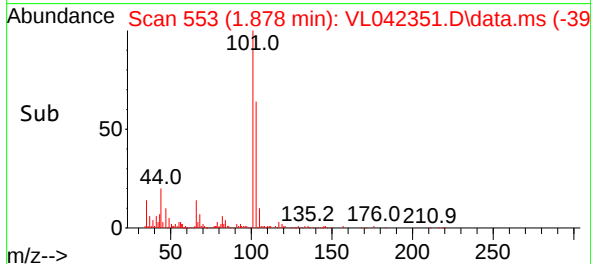
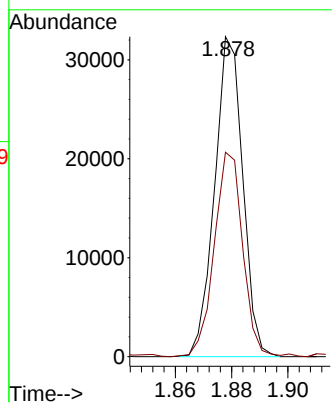
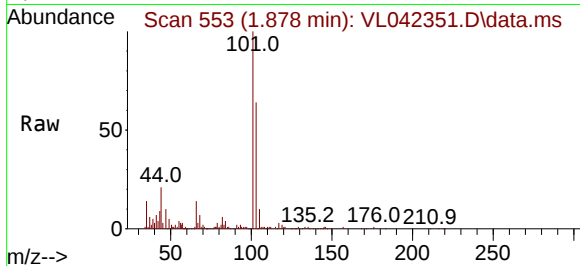




#11  
 Trichlorofluoromethane  
 Concen: 1.075 ppbv  
 RT: 1.878 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

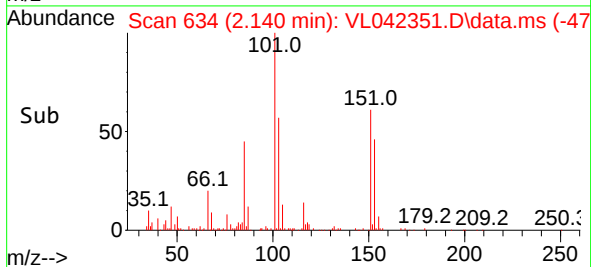
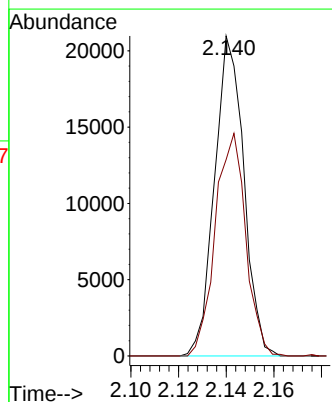
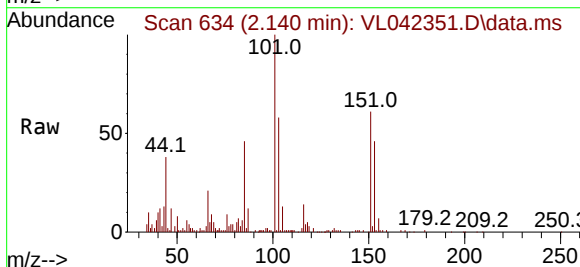
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

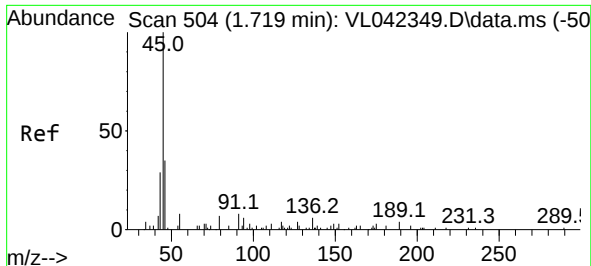
Tgt Ion:101 Resp: 22428  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 50.1 75.1



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 1.047 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion:101 Resp: 17865  
 Ion Ratio Lower Upper  
 101 100  
 151 72.6 57.0 85.6

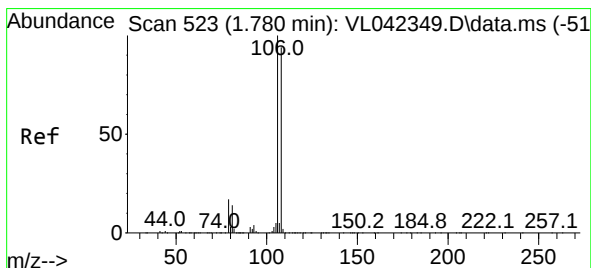
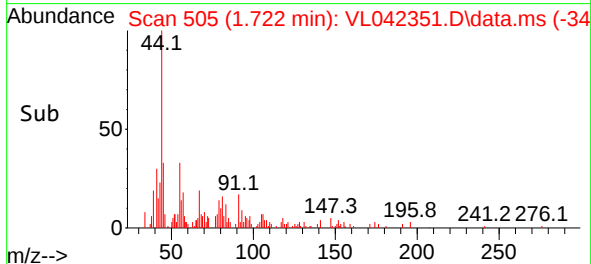
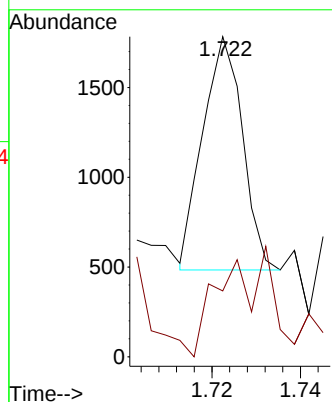
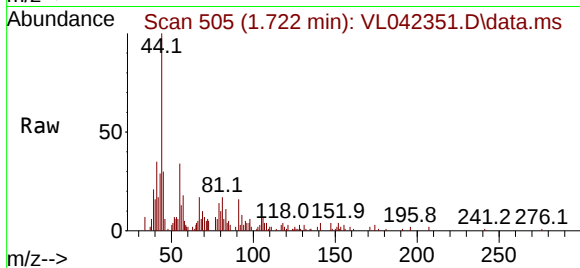




#13  
Ethanol  
Concen: 1.042 ppbv  
RT: 1.722 min Scan# 504  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

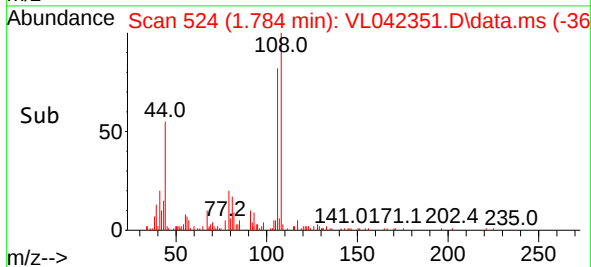
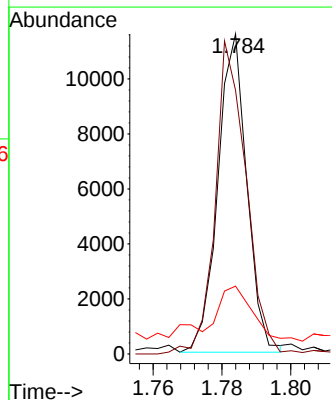
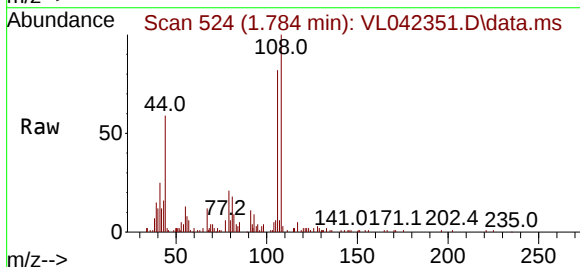
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

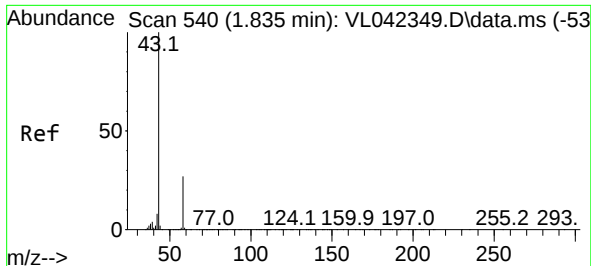
Tgt Ion: 45 Resp: 810  
Ion Ratio Lower Upper  
45 100  
46 95.8 21.9 87.7#



#14  
Bromoethene  
Concen: 1.052 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 108 Resp: 6766  
Ion Ratio Lower Upper  
108 100  
106 104.7 85.9 128.9  
79 45.4 13.9 20.9#





#15

Acetone

Concen: 1.158 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

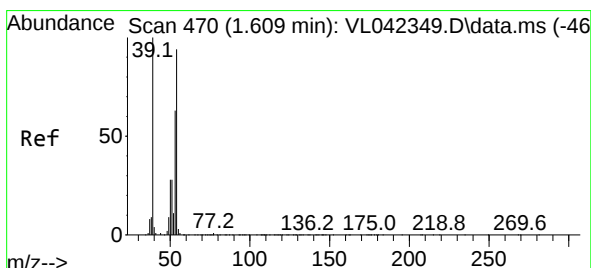
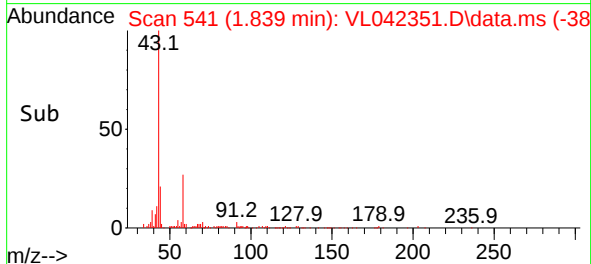
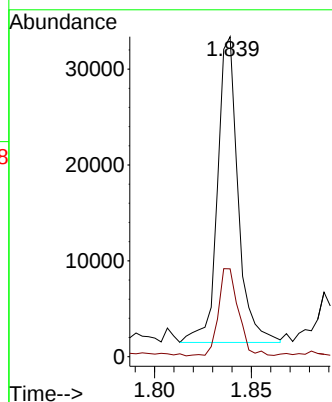
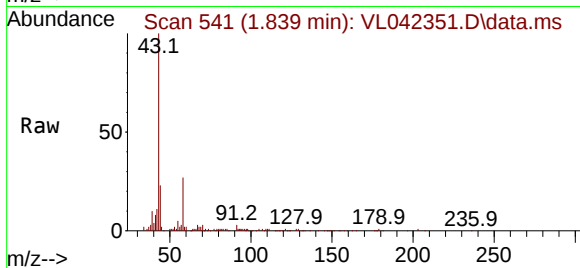
VSTDIC001

Tgt Ion: 43 Resp: 23537

Ion Ratio Lower Upper

43 100

58 29.4 22.4 33.6



#16

1,3-Butadiene

Concen: 0.995 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042351.D

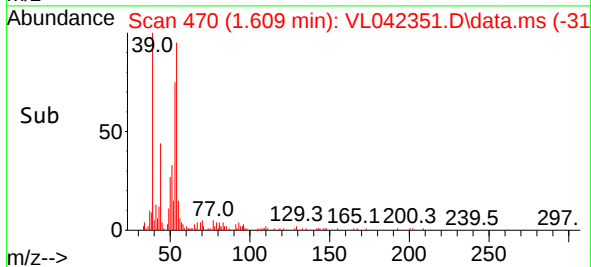
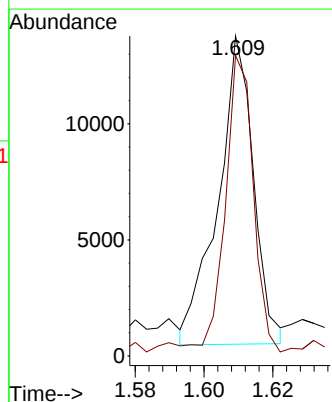
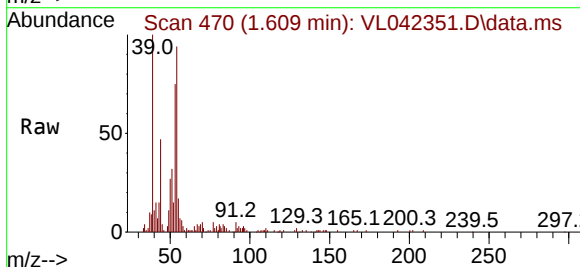
Acq: 17 Apr 2025 10:48

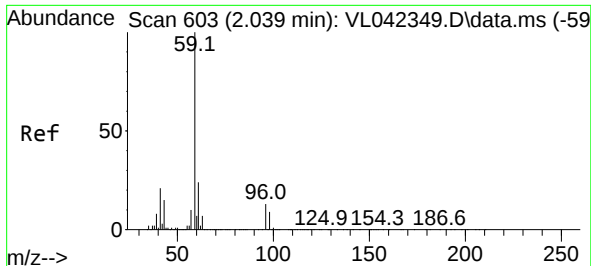
Tgt Ion: 39 Resp: 9495

Ion Ratio Lower Upper

39 100

54 77.6 64.9 97.3





#17

tert-Butyl alcohol

Concen: 1.051 ppbv

RT: 2.043 min Scan# 603

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

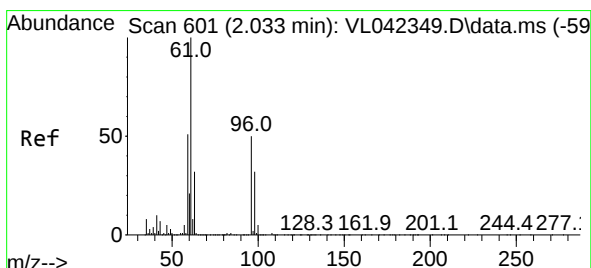
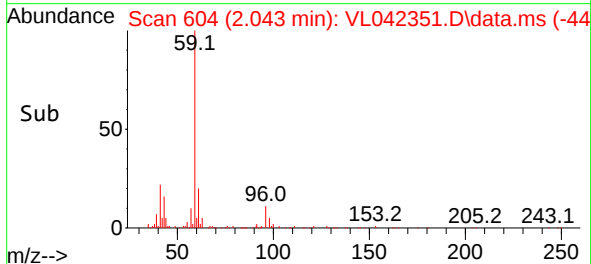
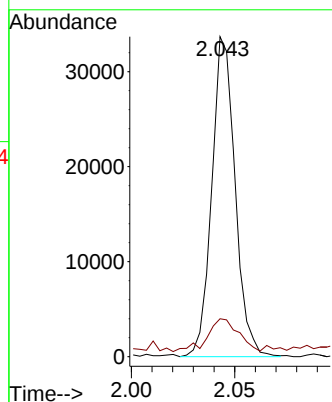
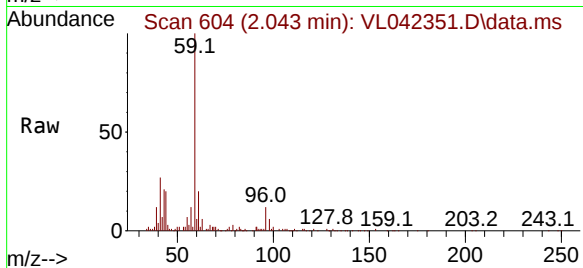
VSTDIC001

Tgt Ion: 59 Resp: 26477

Ion Ratio Lower Upper

59 100

57 14.6 8.7 13.1#



#18

1,1-Dichloroethene

Concen: 0.962 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

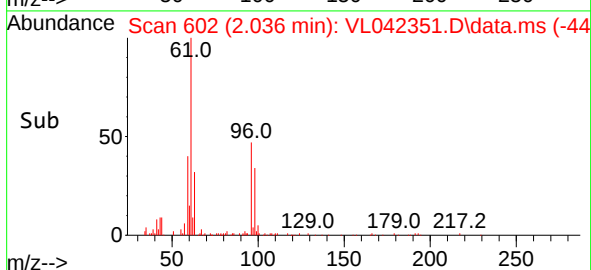
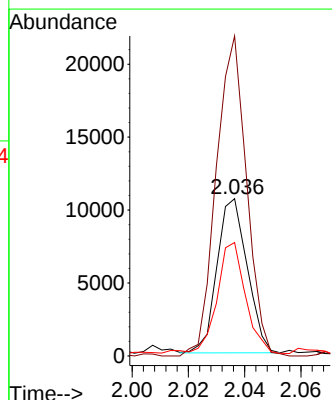
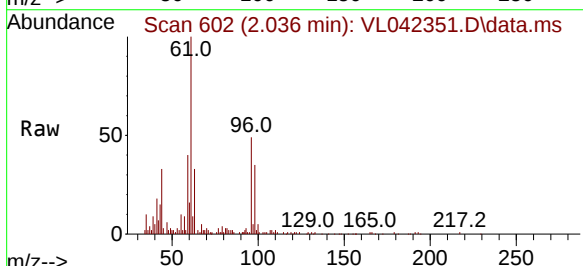
Tgt Ion: 96 Resp: 7890

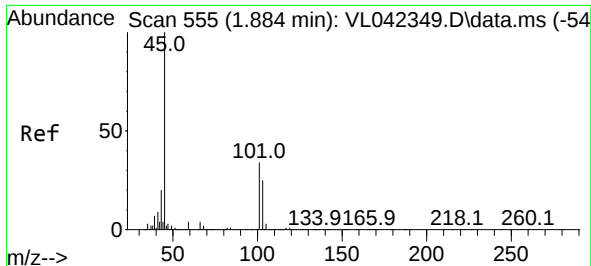
Ion Ratio Lower Upper

96 100

61 207.8 160.2 240.2

98 71.9 51.0 76.4

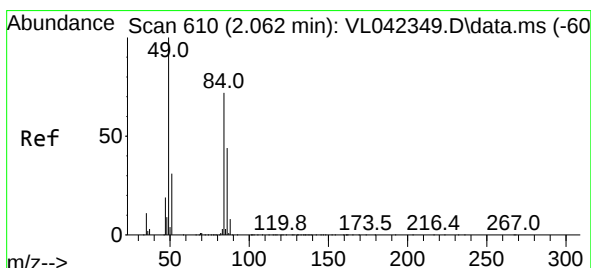
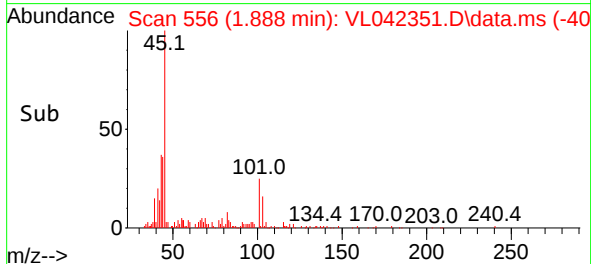
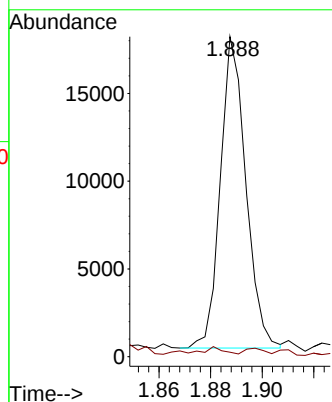
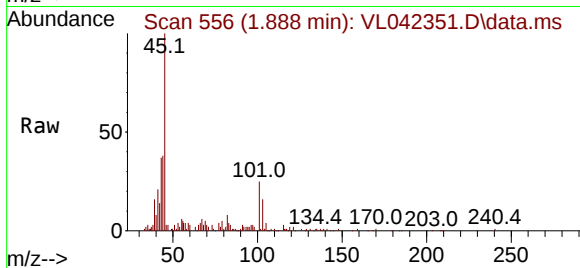




#19  
Isopropyl Alcohol  
Concen: 1.078 ppbv  
RT: 1.888 min Scan# 511  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

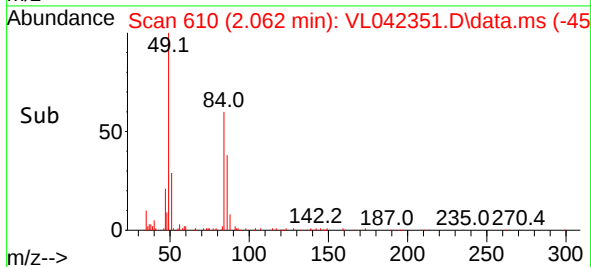
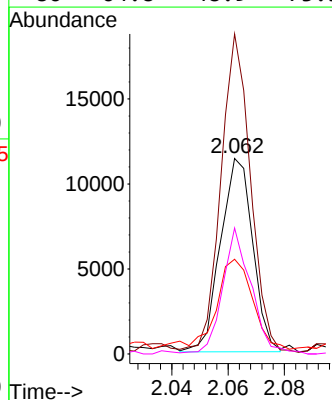
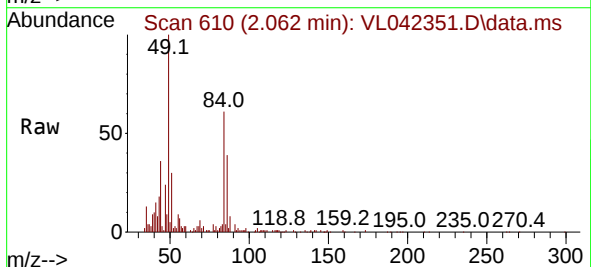
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

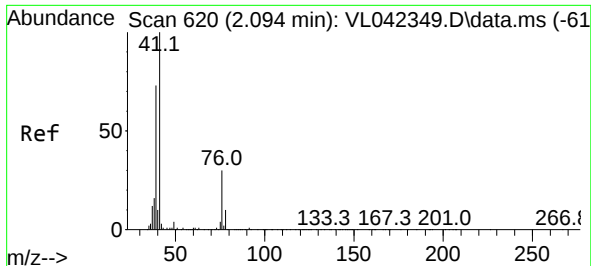
Tgt Ion: 45 Resp: 12175  
Ion Ratio Lower Upper  
45 100  
58 3.8 34.5 51.7#



#20  
Methylene Chloride  
Concen: 1.136 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 84 Resp: 9046  
Ion Ratio Lower Upper  
84 100  
49 164.4 111.6 167.4  
51 44.4 35.1 52.7  
86 64.8 48.9 73.3

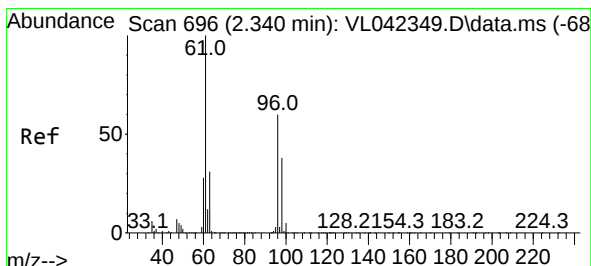
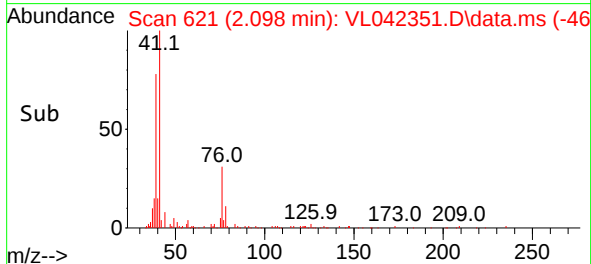
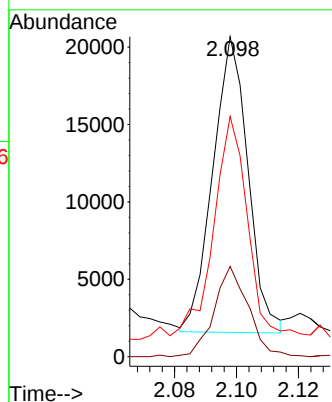
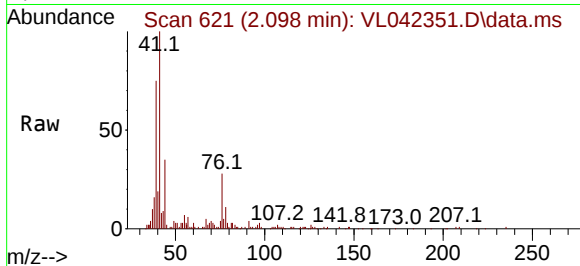




#21  
 Allyl Chloride  
 Concen: 1.073 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

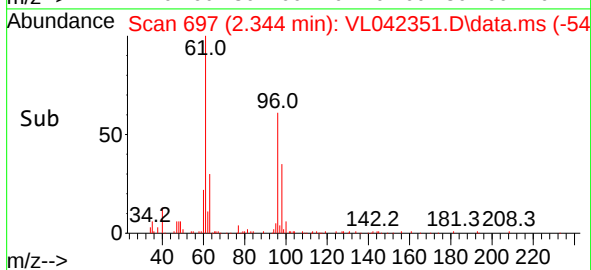
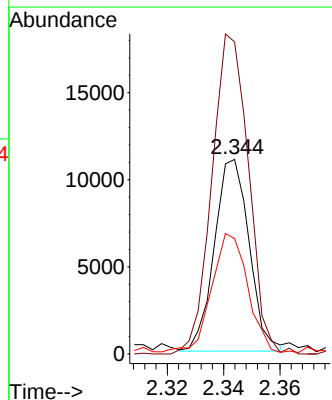
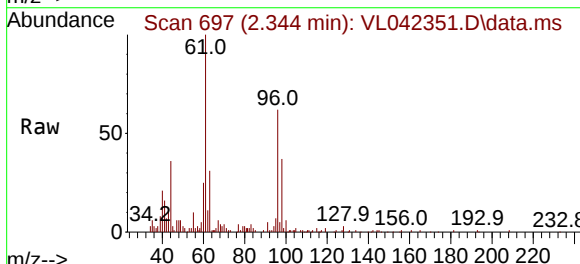
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

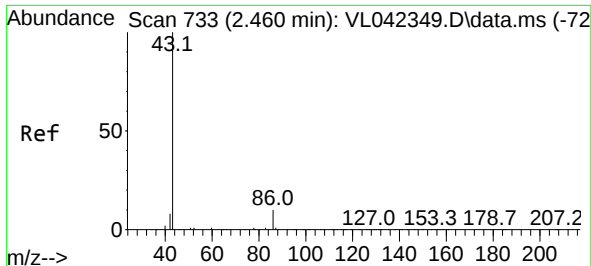
Tgt Ion: 41 Resp: 15057  
 Ion Ratio Lower Upper  
 41 100  
 76 29.8 24.8 37.2  
 39 86.1 60.6 90.8



#22  
 trans-1,2-Dichloroethene  
 Concen: 1.038 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion: 96 Resp: 9421  
 Ion Ratio Lower Upper  
 96 100  
 61 161.7 133.7 200.5  
 98 59.8 50.3 75.5

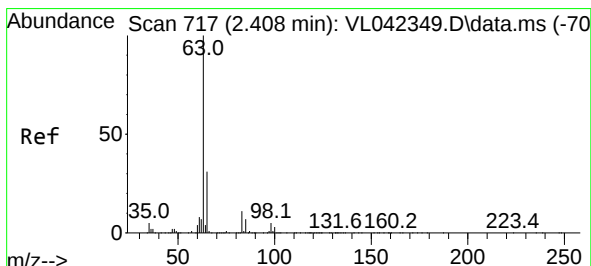
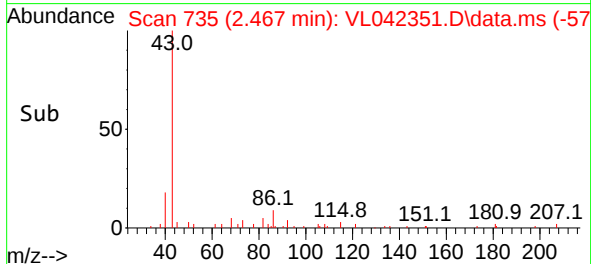
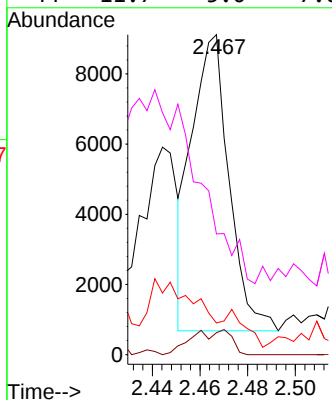
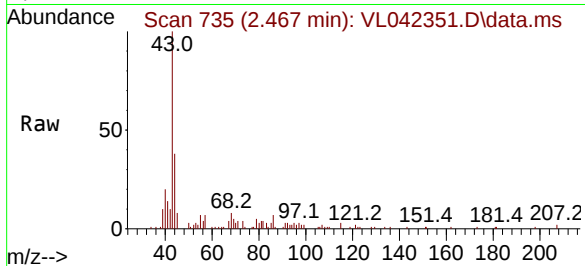




#23  
 Vinyl Acetate  
 Concen: 1.122 ppbv  
 RT: 2.467 min Scan# 717  
 Delta R.T. 0.007 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

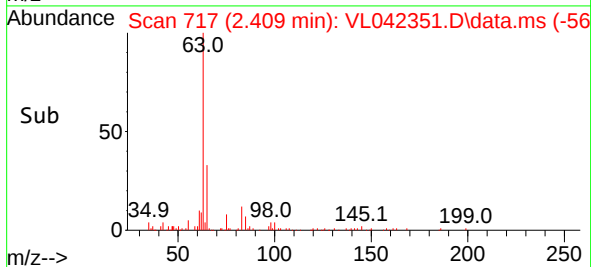
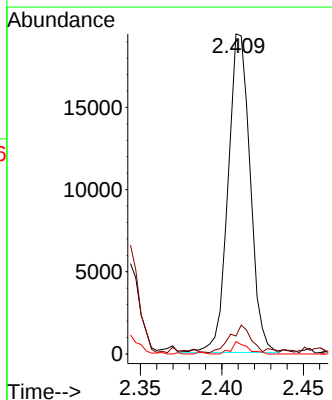
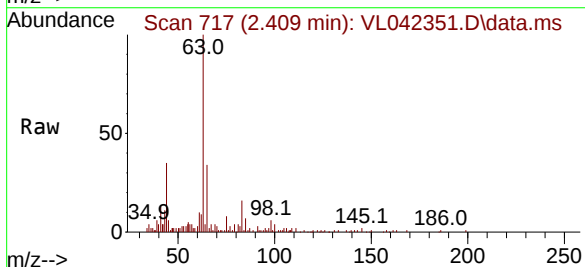
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 ClientSampleId :  
 VSTDIC001

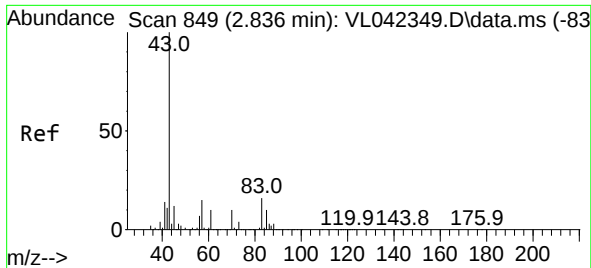
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9234  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 7.4   | 6.5   | 9.7   |
| 42       | 4.6   | 7.8   | 11.8# |
| 44       | 11.7  | 5.0   | 7.6#  |



#24  
 1,1-Dichloroethane  
 Concen: 1.058 ppbv  
 RT: 2.409 min Scan# 717  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 18236 |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 4.7   | 2.3   | 6.8   |
| 100      | 3.9   | 1.6   | 4.8   |

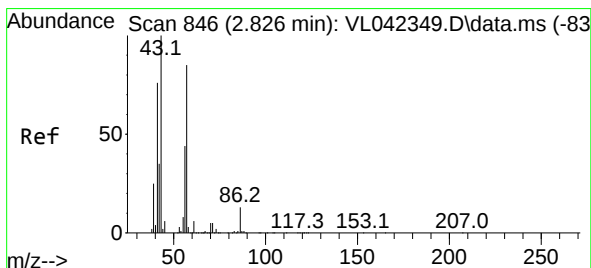
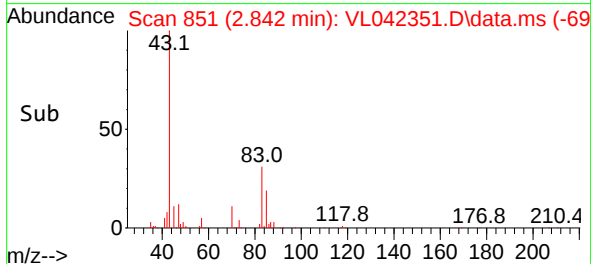
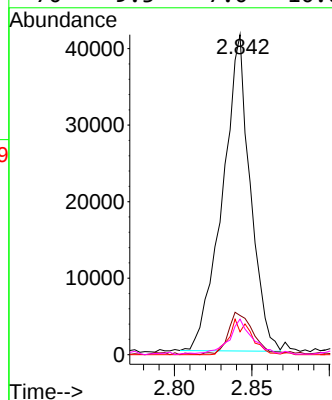
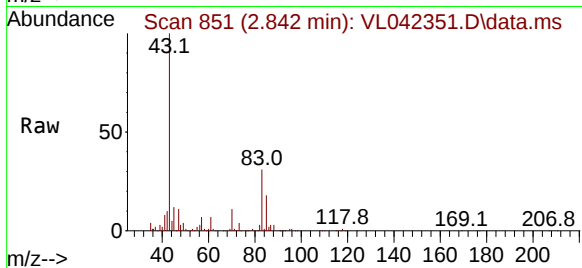




#25  
Ethyl Acetate  
Concen: 1.027 ppbv  
RT: 2.842 min Scan# 849  
Delta R.T. 0.007 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

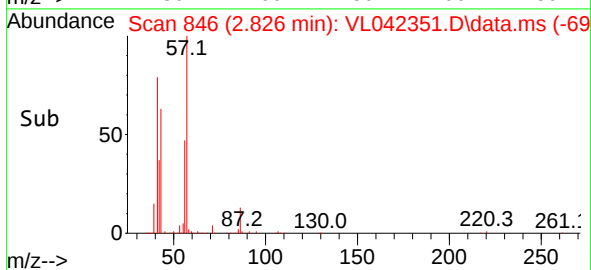
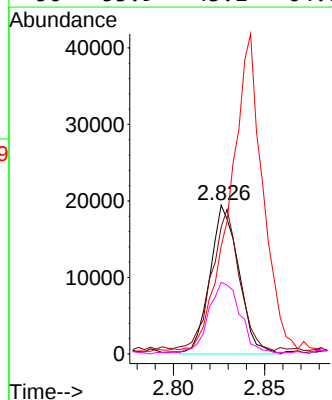
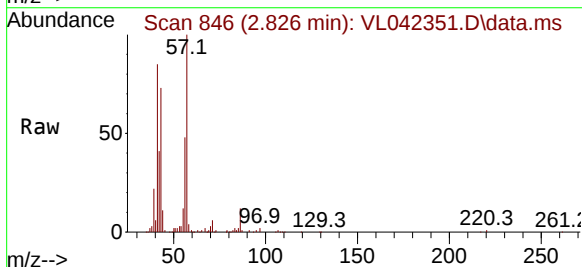
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

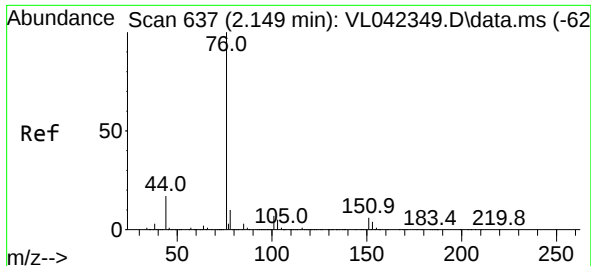
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 51494 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 45 13.1     | 8.3 12.5#   |
| 61 9.0      | 7.3 10.9    |
| 70 9.3      | 7.0 10.6    |



#26  
Hexane  
Concen: 1.053 ppbv  
RT: 2.826 min Scan# 846  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

|             |             |
|-------------|-------------|
| Tgt Ion: 57 | Resp: 21350 |
| Ion Ratio   | Lower Upper |
| 57 100      |             |
| 41 95.3     | 77.9 116.9  |
| 43 247.5    | 208.4 312.6 |
| 56 53.9     | 43.1 64.7   |





#27

Carbon Disulfide

Concen: 0.955 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC001

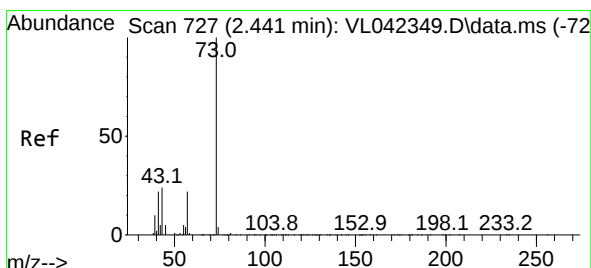
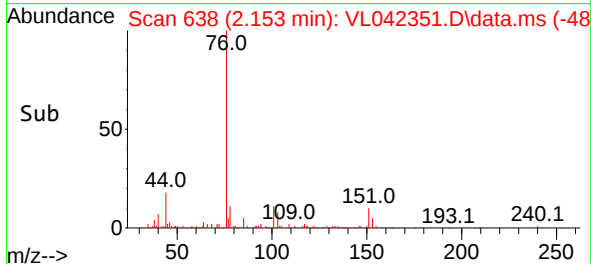
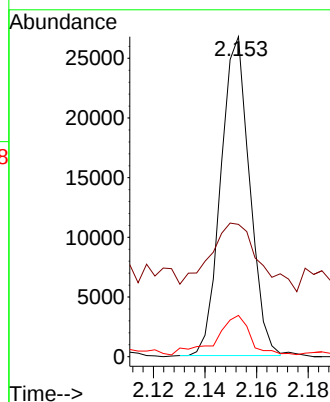
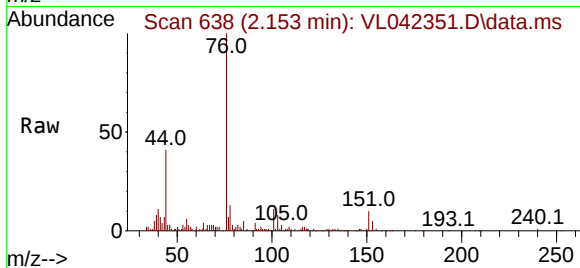
Tgt Ion: 76 Resp: 20739

Ion Ratio Lower Upper

76 100

44 93.1 15.5 23.3#

78 19.8 9.3 13.9#



#28

Methyl tert-Butyl Ether

Concen: 1.066 ppbv

RT: 2.444 min Scan# 728

Delta R.T. 0.004 min

Lab File: VL042351.D

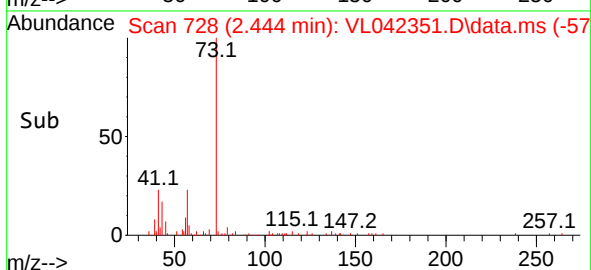
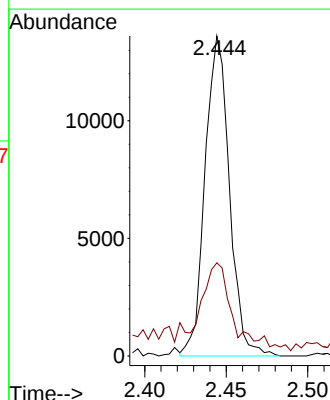
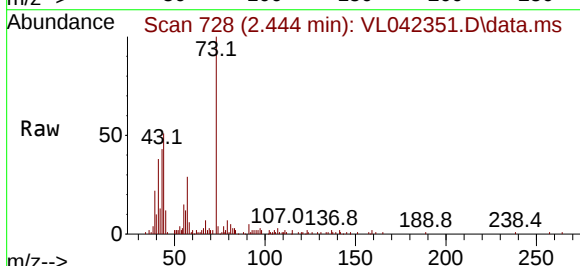
Acq: 17 Apr 2025 10:48

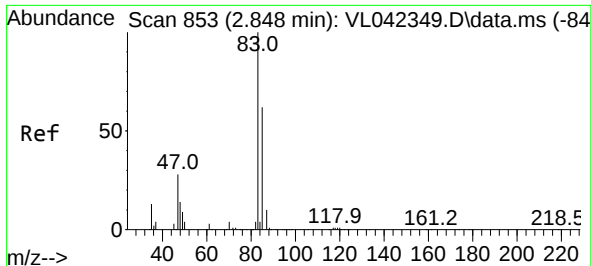
Tgt Ion: 73 Resp: 14164

Ion Ratio Lower Upper

73 100

57 34.2 21.3 31.9#





#29

Chloroform

Concen: 1.011 ppbv

RT: 2.852 min Scan# 854

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

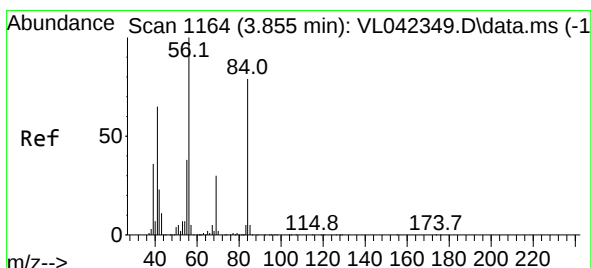
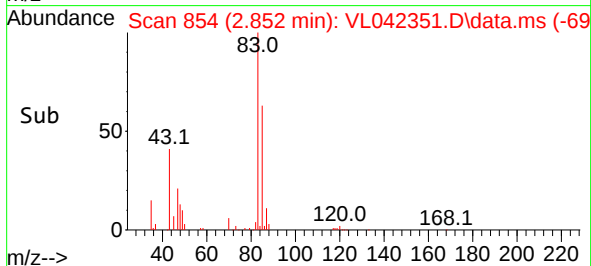
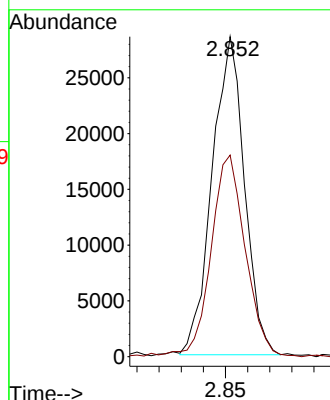
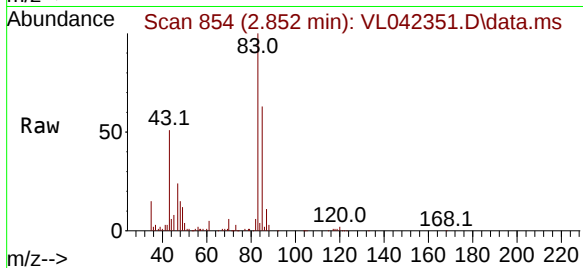
VSTDIC001

Tgt Ion: 83 Resp: 28973

Ion Ratio Lower Upper

83 100

85 62.6 50.0 75.0



#30

Cyclohexane

Concen: 0.516 ppbv

RT: 3.862 min Scan# 1166

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

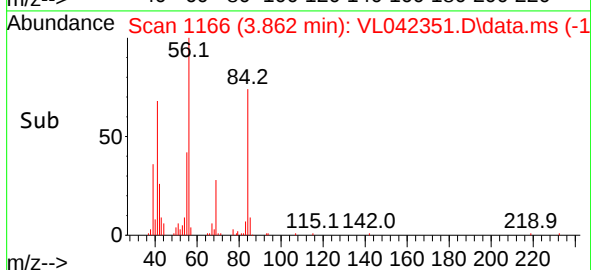
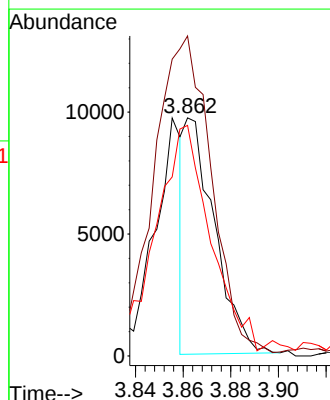
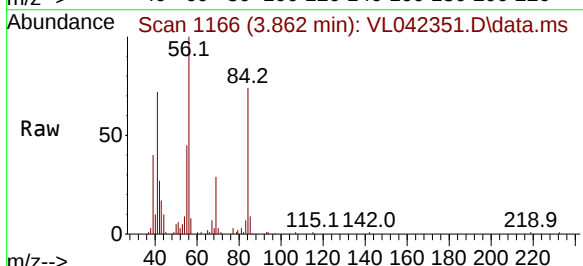
Tgt Ion: 84 Resp: 8430

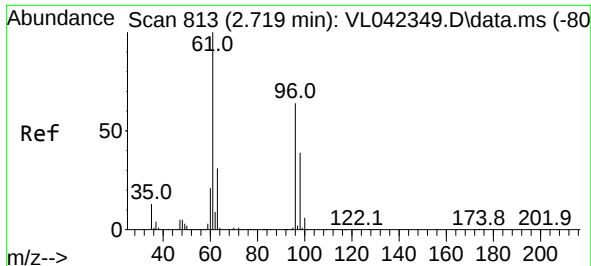
Ion Ratio Lower Upper

84 100

56 263.5 101.0 151.4#

41 167.0 67.4 101.0#

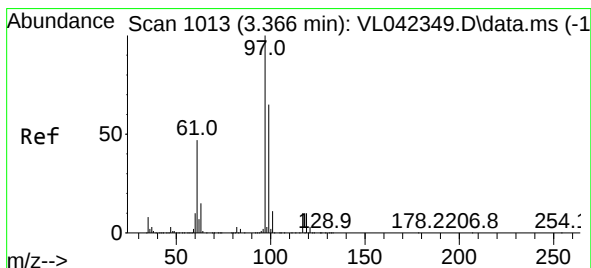
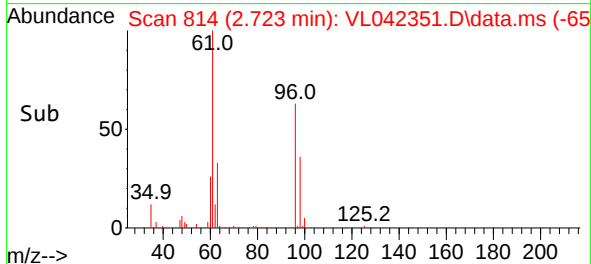
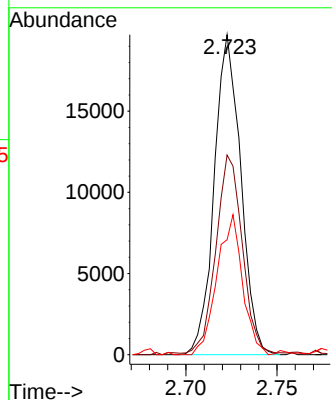
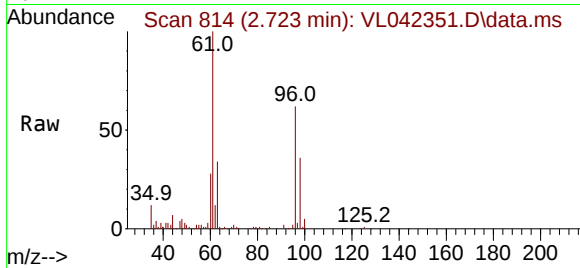




#31  
 cis-1,2-Dichloroethene  
 Concen: 1.032 ppbv  
 RT: 2.723 min Scan# 813  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

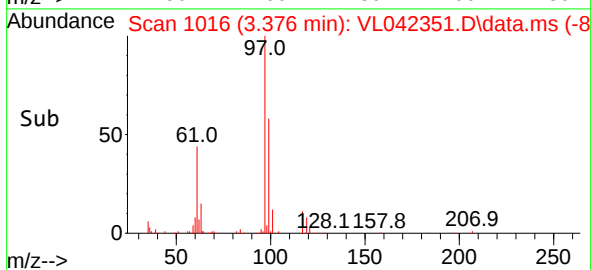
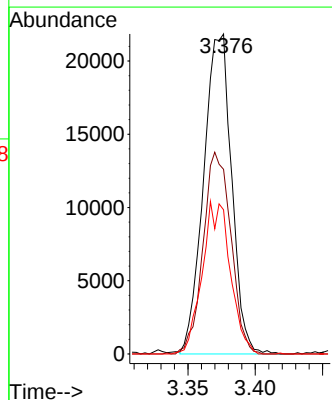
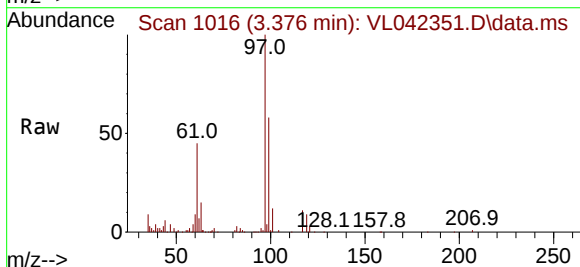
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

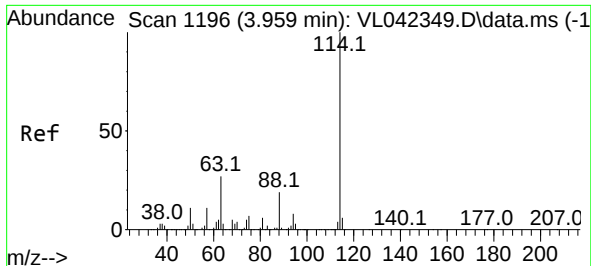
Tgt Ion: 61 Resp: 19904  
 Ion Ratio Lower Upper  
 61 100  
 96 61.9 50.8 76.2  
 98 35.9 30.9 46.3



#32  
 1,1,1-Trichloroethane  
 Concen: 1.030 ppbv  
 RT: 3.376 min Scan# 1016  
 Delta R.T. 0.010 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion: 97 Resp: 31653  
 Ion Ratio Lower Upper  
 97 100  
 99 62.4 51.0 76.4  
 61 47.6 38.8 58.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1196

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC001

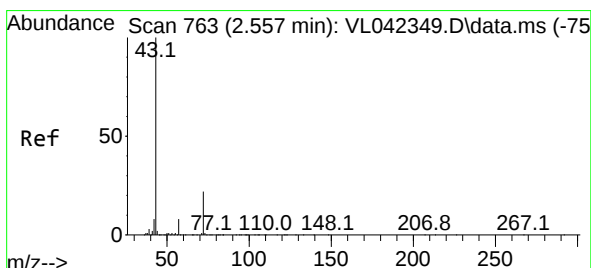
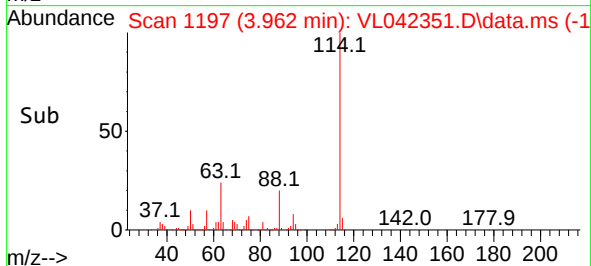
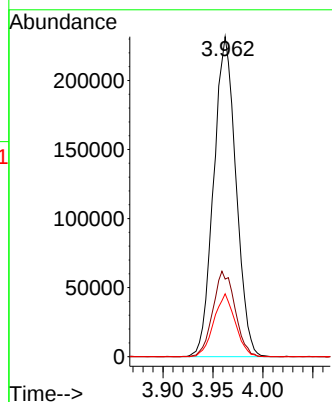
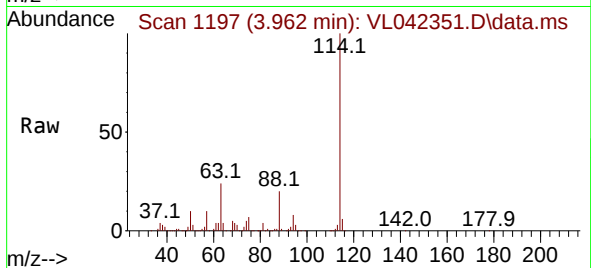
Tgt Ion:114 Resp: 359907

Ion Ratio Lower Upper

114 100

63 26.7 21.8 32.6

88 18.8 15.5 23.3



#34

2-Butanone

Concen: 1.045 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL042351.D

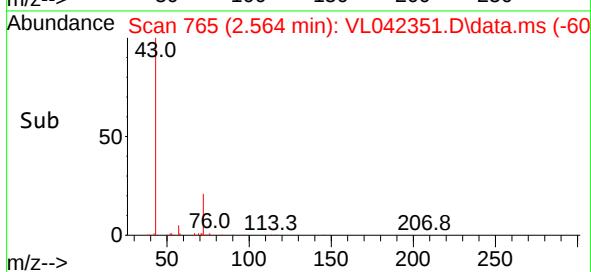
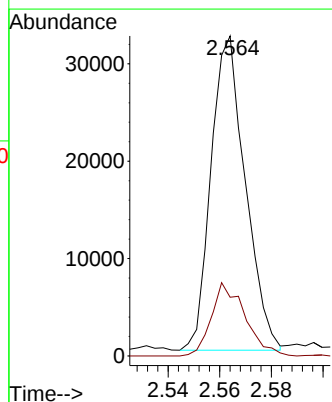
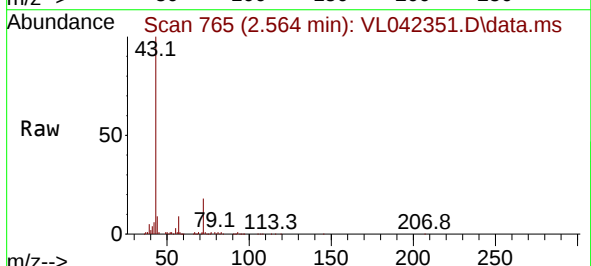
Acq: 17 Apr 2025 10:48

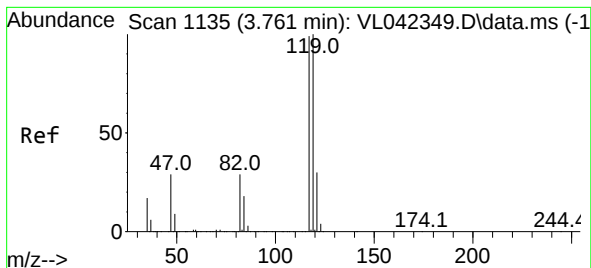
Tgt Ion: 43 Resp: 29735

Ion Ratio Lower Upper

43 100

72 23.1 18.2 27.2





#35

Carbon Tetrachloride

Concen: 0.917 ppbv

RT: 3.768 min Scan# 1137

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

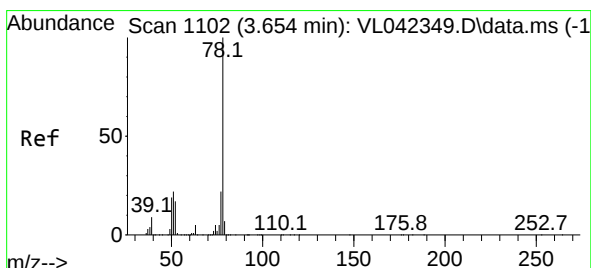
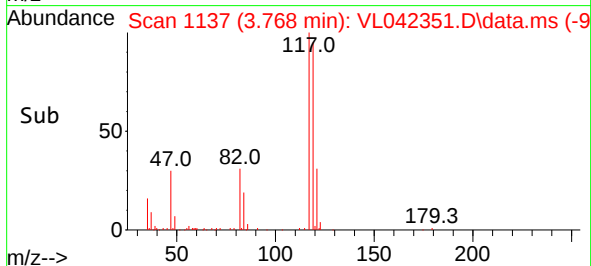
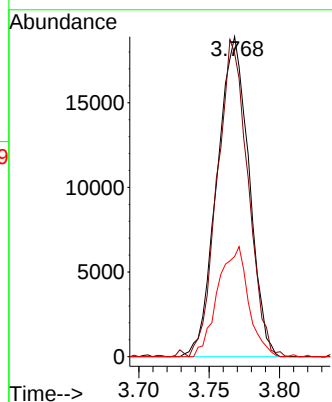
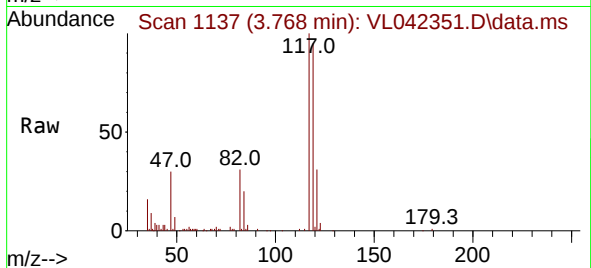
Tgt Ion:117 Resp: 29875

Ion Ratio Lower Upper

117 100

119 93.3 80.5 120.7

121 31.3 24.2 36.2



#36

Benzene

Concen: 0.997 ppbv

RT: 3.661 min Scan# 1104

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

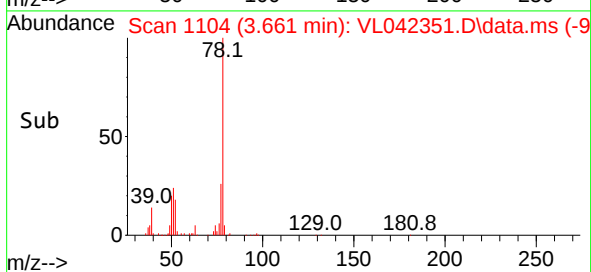
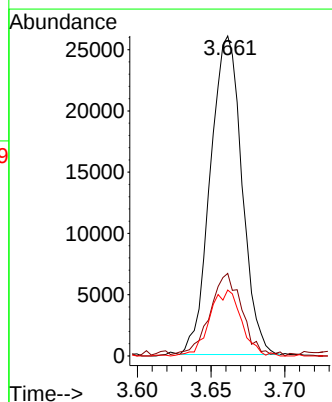
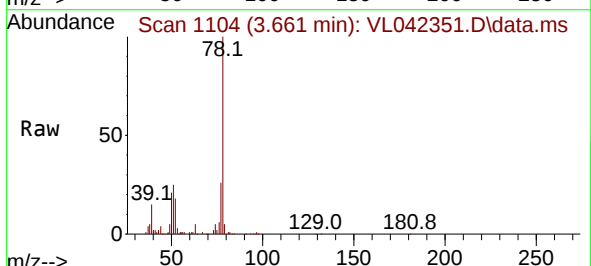
Tgt Ion: 78 Resp: 38707

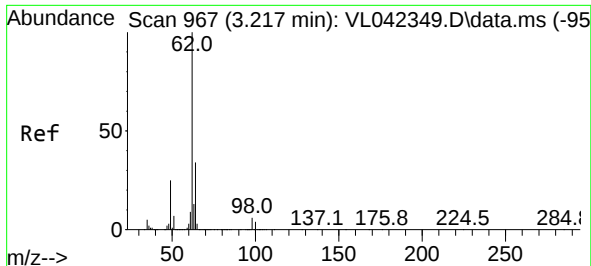
Ion Ratio Lower Upper

78 100

77 24.7 17.4 26.0

50 20.7 15.5 23.3





#37

1,2-Dichloroethane

Concen: 0.999 ppbv

RT: 3.224 min Scan# 9

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

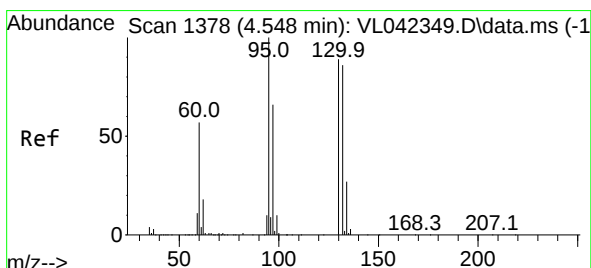
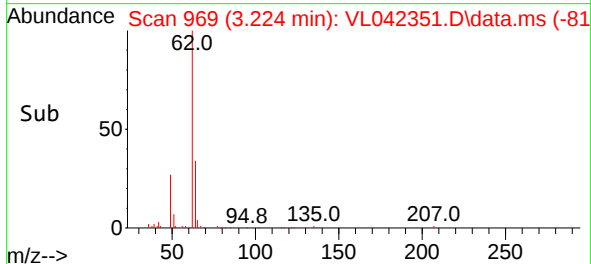
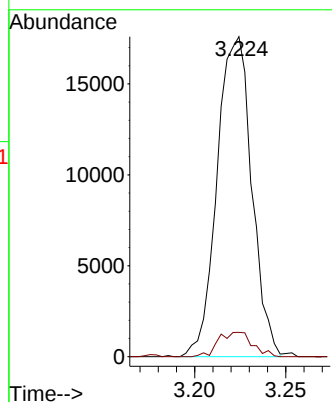
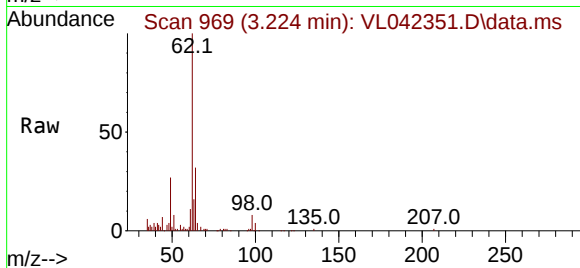
VSTDIC001

Tgt Ion: 62 Resp: 23284

Ion Ratio Lower Upper

62 100

98 7.5 5.1 7.7



#38

Trichloroethene

Concen: 0.947 ppbv

RT: 4.551 min Scan# 1379

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:130 Resp: 16119

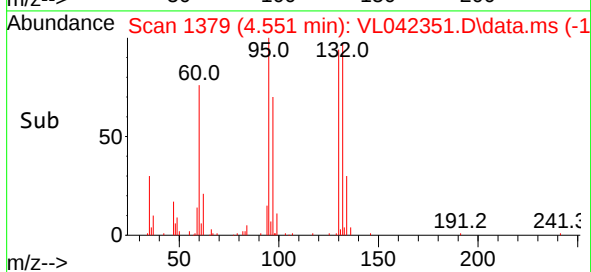
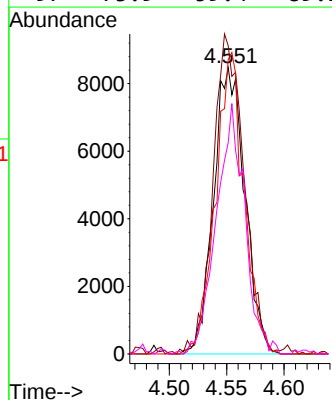
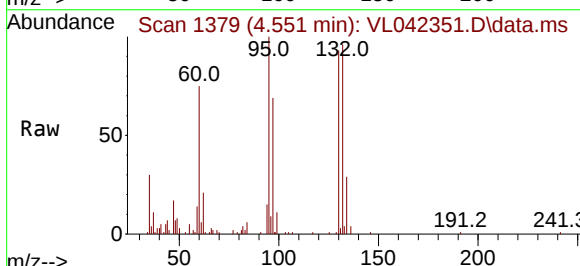
Ion Ratio Lower Upper

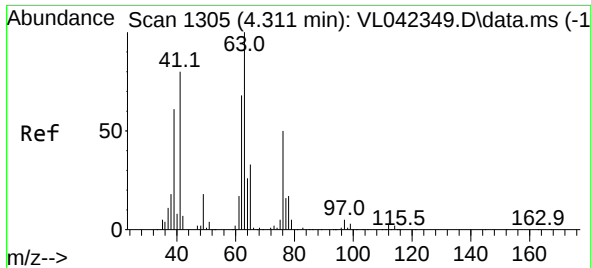
130 100

95 106.6 89.8 134.6

132 102.9 77.7 116.5

97 73.9 59.4 89.2





#39

1,2-Dichloropropane

Concen: 1.027 ppbv

RT: 4.318 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC001

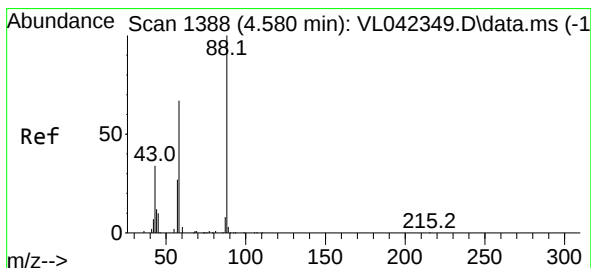
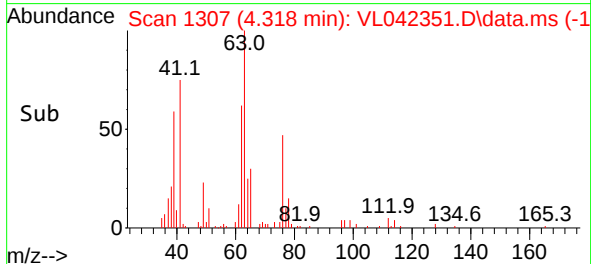
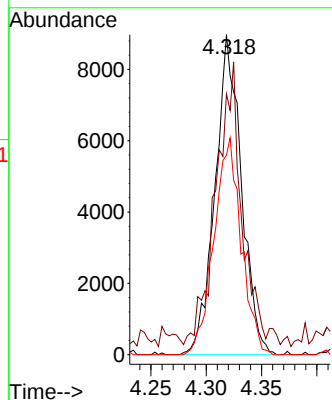
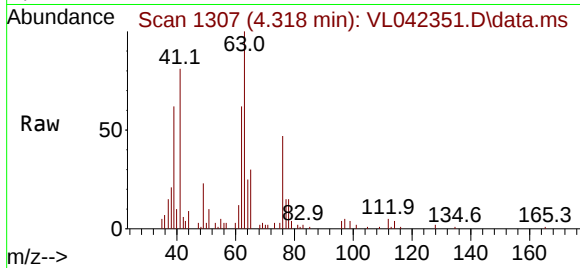
Tgt Ion: 63 Resp: 14866

Ion Ratio Lower Upper

63 100

41 78.3 64.2 96.2

62 62.3 54.3 81.5



#40

1,4-Dioxane

Concen: 0.123 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.023 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion: 88 Resp: 967

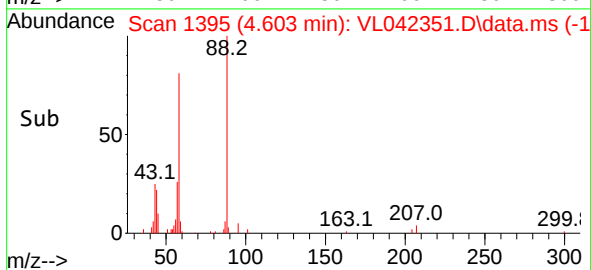
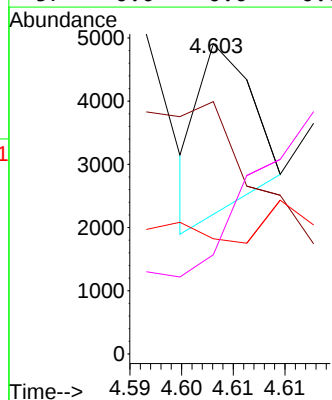
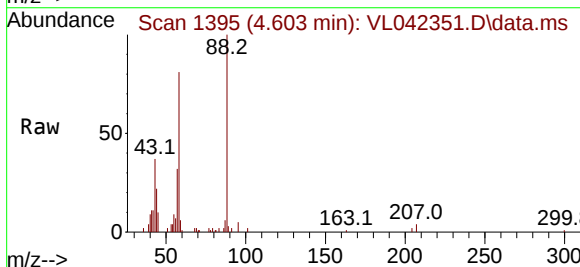
Ion Ratio Lower Upper

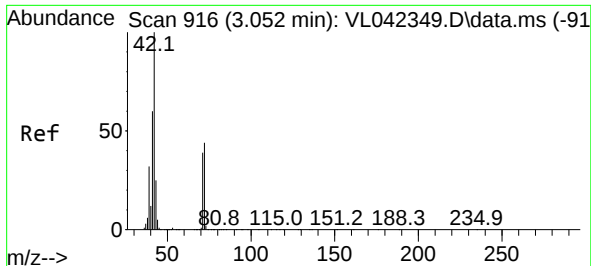
88 100

58 998.9 61.4 92.0#

43 0.0 23.2 34.8#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 1.049 ppbv

RT: 3.062 min Scan# 916

Delta R.T. 0.010 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

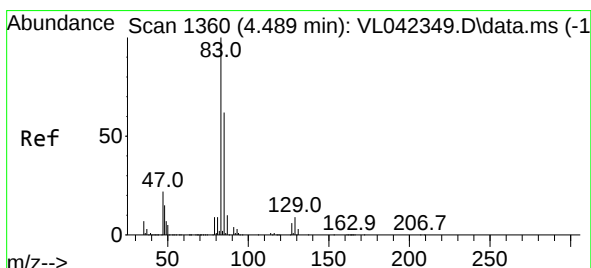
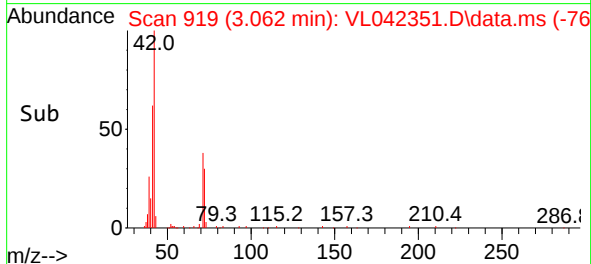
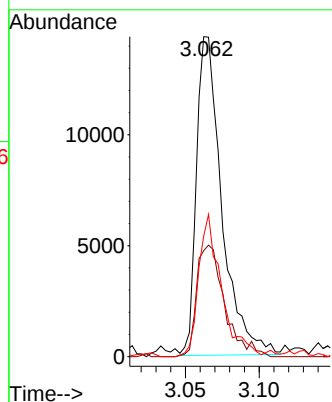
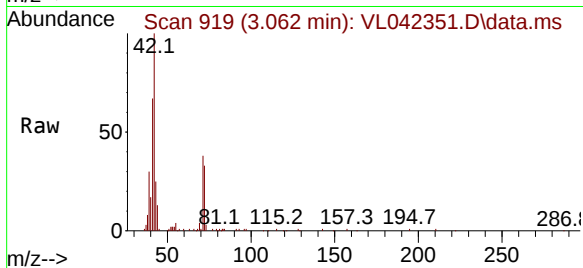
Tgt Ion: 42 Resp: 17259

Ion Ratio Lower Upper

42 100

72 38.1 32.3 48.5

71 42.3 31.4 47.2



#42

Bromodichloromethane

Concen: 1.009 ppbv

RT: 4.490 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

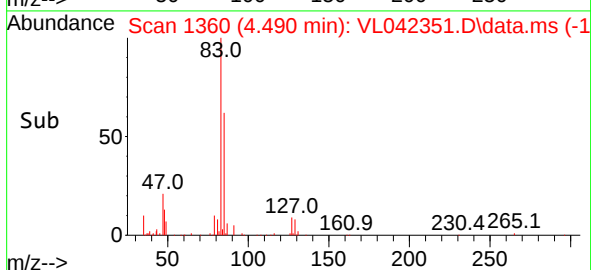
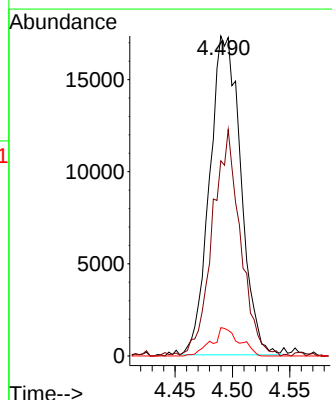
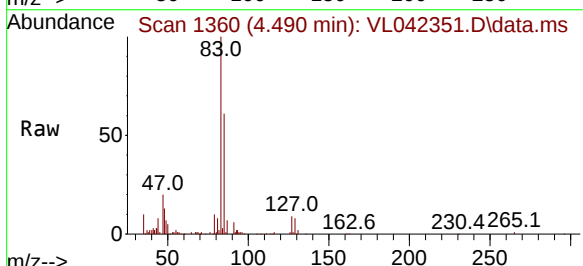
Tgt Ion: 83 Resp: 32721

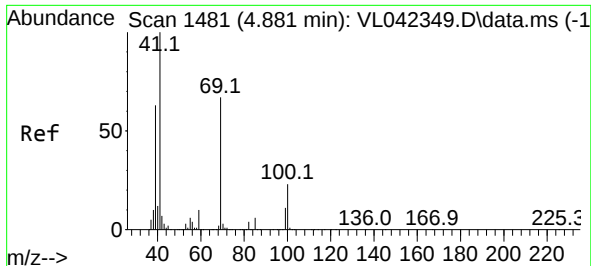
Ion Ratio Lower Upper

83 100

85 61.2 49.7 74.5

127 8.9 5.1 7.7#

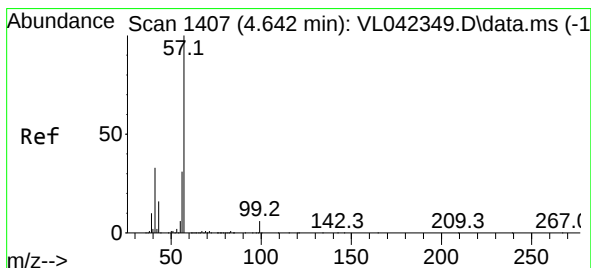
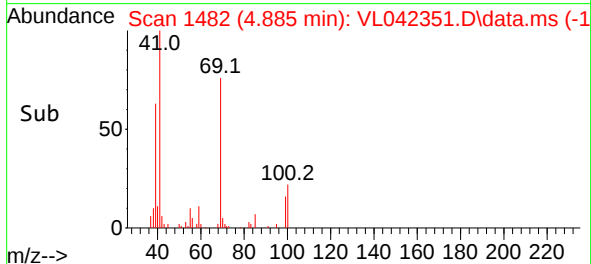
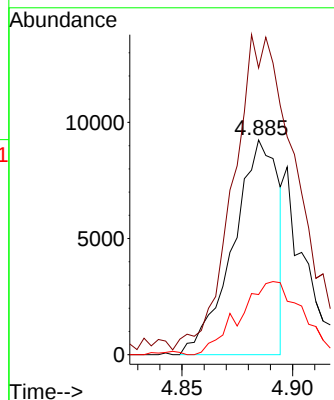
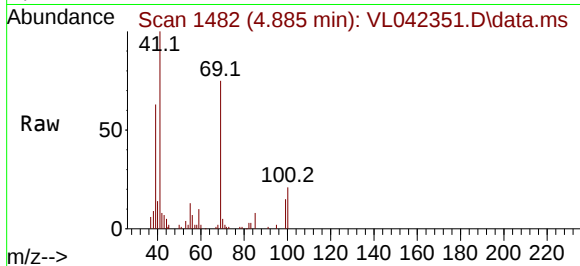




#43  
Methyl Methacrylate  
Concen: 0.751 ppbv  
RT: 4.885 min Scan# 1481  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

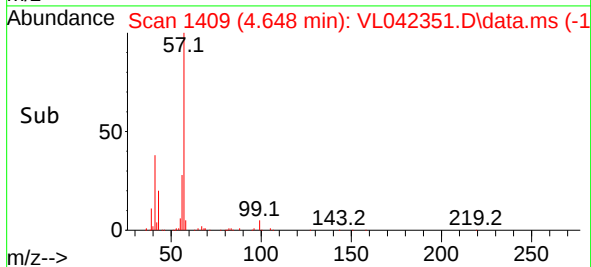
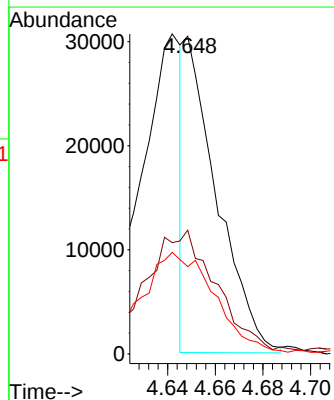
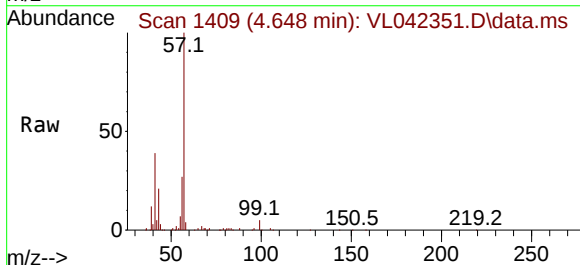
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

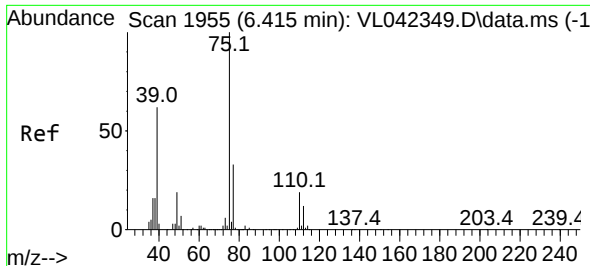
Tgt Ion: 69 Resp: 13084  
Ion Ratio Lower Upper  
69 100  
41 213.4 118.6 177.8#  
100 0.0 28.2 42.2#



#44  
2,2,4-Trimethylpentane  
Concen: 0.427 ppbv  
RT: 4.648 min Scan# 1409  
Delta R.T. 0.007 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 57 Resp: 28653  
Ion Ratio Lower Upper  
57 100  
41 91.3 27.2 40.8#  
56 0.0 25.7 38.5#

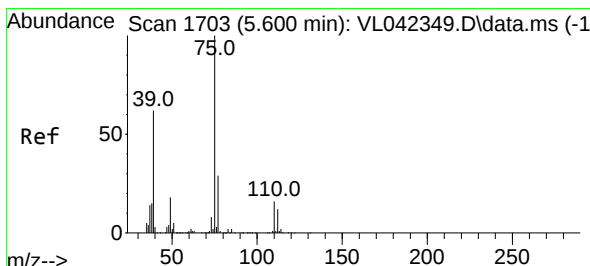
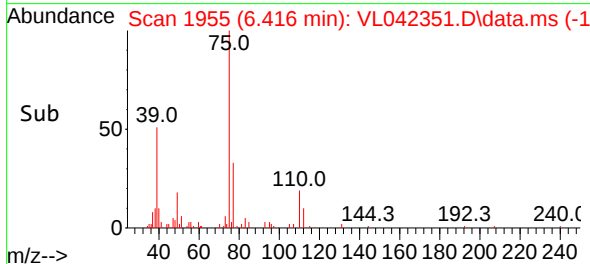
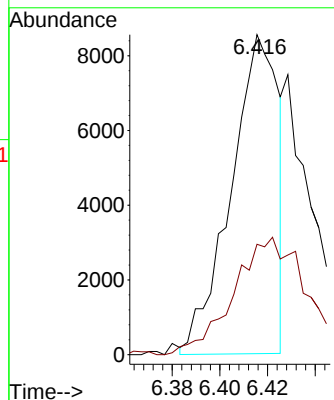
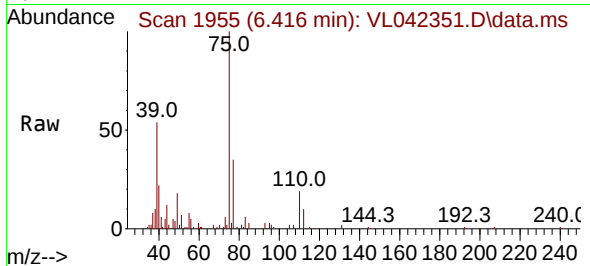




#45  
 t-1,3-Dichloropropene  
 Concen: 0.658 ppbv  
 RT: 6.416 min Scan# 1955  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

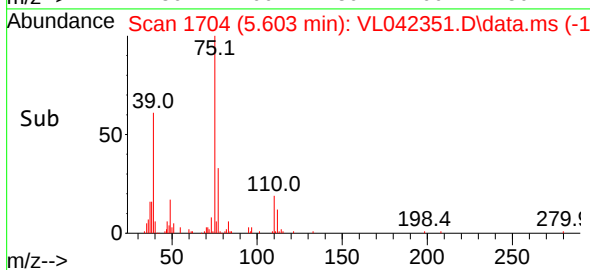
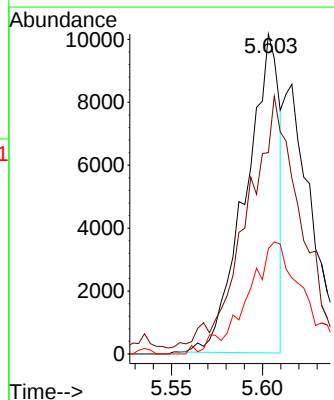
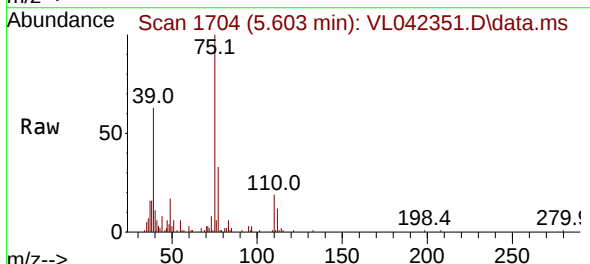
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

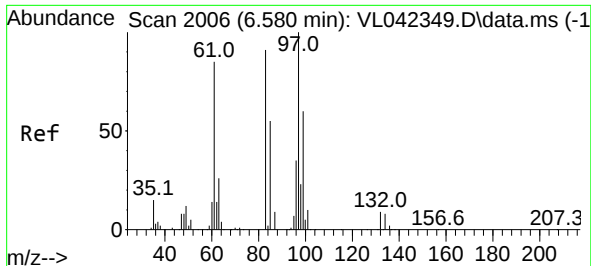
Tgt Ion: 75 Resp: 11763  
 Ion Ratio Lower Upper  
 75 100  
 77 34.5 27.0 40.6



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.596 ppbv  
 RT: 5.603 min Scan# 1704  
 Delta R.T. 0.004 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion: 75 Resp: 13028  
 Ion Ratio Lower Upper  
 75 100  
 39 59.7 50.0 75.0  
 77 33.1 23.0 34.6



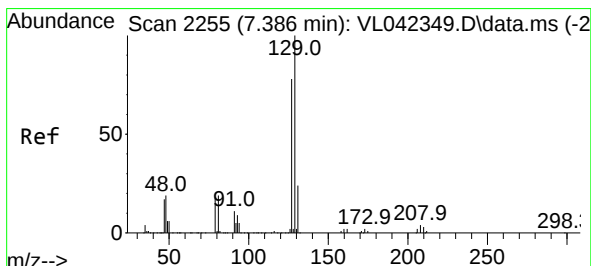
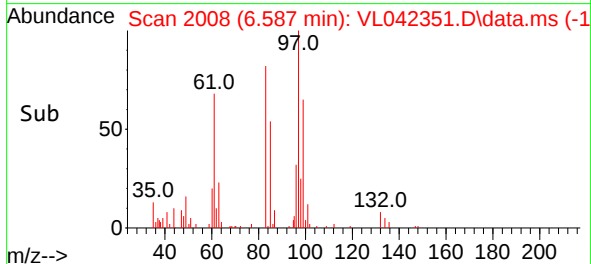
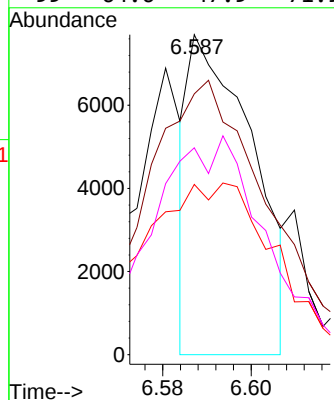
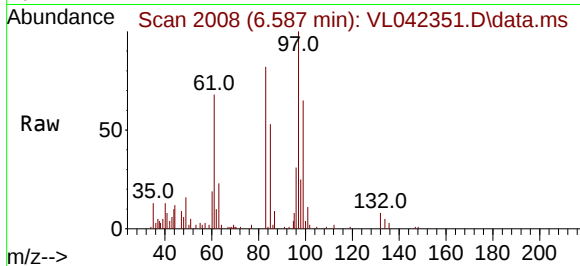


#47  
1,1,2-Trichloroethane  
Concen: 0.521 ppbv  
RT: 6.587 min Scan# 2006  
Delta R.T. 0.007 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

Tgt Ion: 97 Resp: 7690

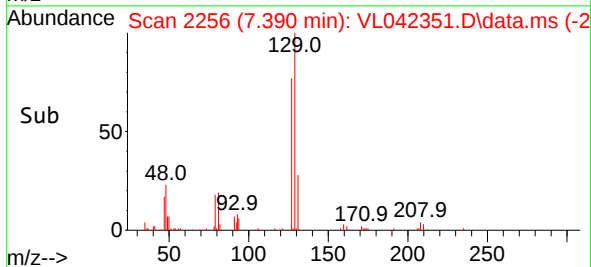
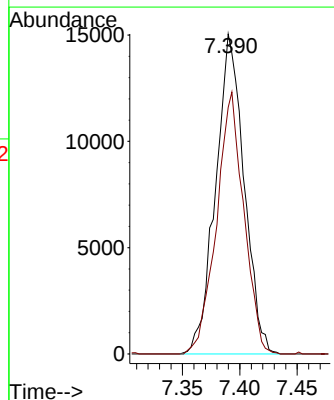
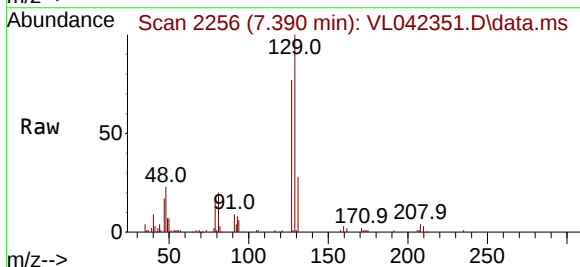
| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 97  | 100   |       |        |
| 83  | 67.7  | 72.8  | 109.2# |
| 85  | 31.3  | 44.2  | 66.4#  |
| 99  | 64.6  | 47.9  | 71.9   |

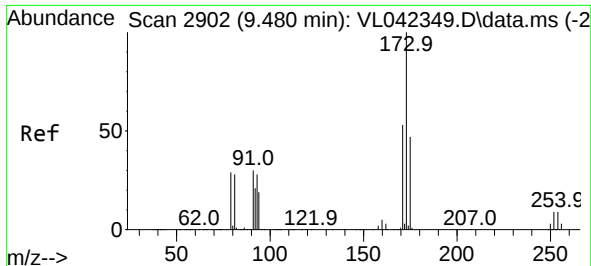


#48  
Dibromochloromethane  
Concen: 0.997 ppbv  
RT: 7.390 min Scan# 2256  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 129 Resp: 25948

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.4  | 39.1  | 117.3 |

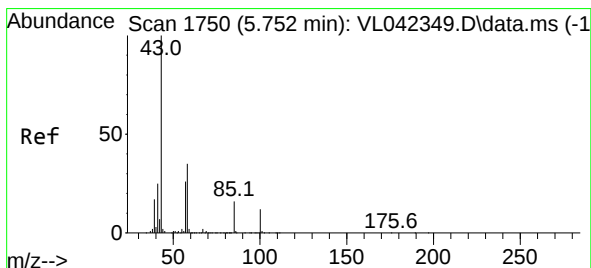
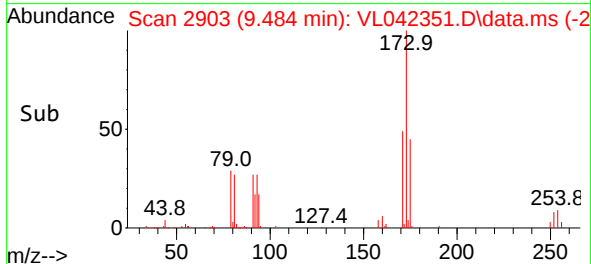
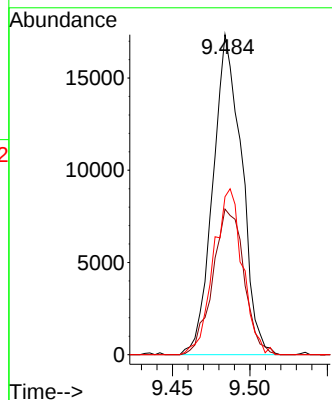
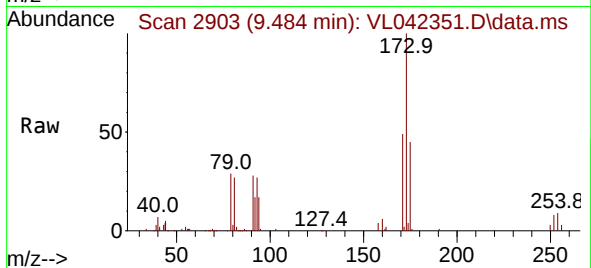




#49  
Bromoform  
Concen: 0.984 ppbv  
RT: 9.484 min Scan# 2902  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

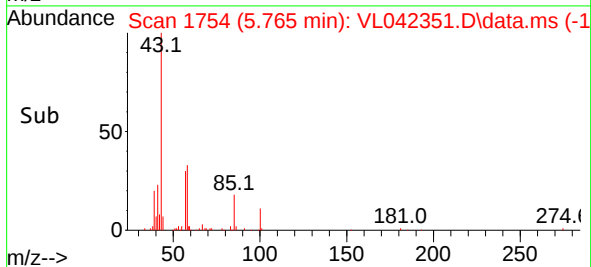
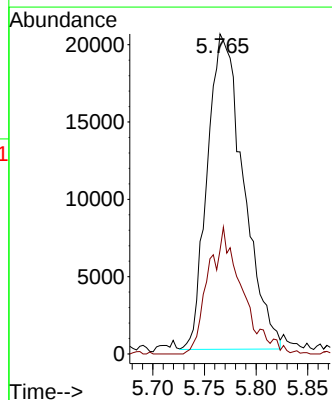
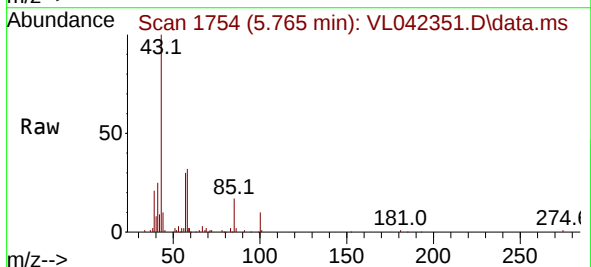
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

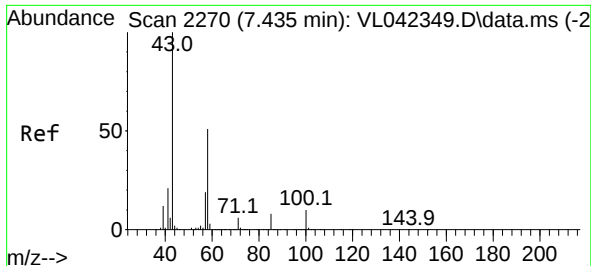
Tgt Ion:173 Resp: 22413  
Ion Ratio Lower Upper  
173 100  
175 49.3 38.2 57.2  
171 52.7 40.9 61.3



#50  
4-Methyl-2-Pentanone  
Concen: 1.049 ppbv  
RT: 5.765 min Scan# 1754  
Delta R.T. 0.013 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 43 Resp: 49725  
Ion Ratio Lower Upper  
43 100  
58 37.7 28.6 43.0

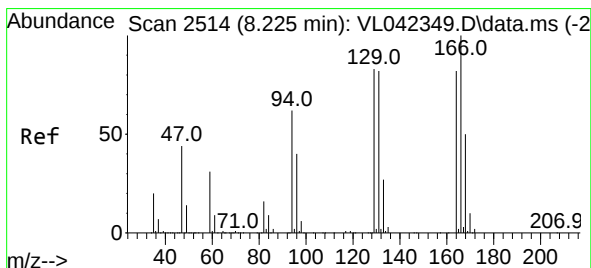
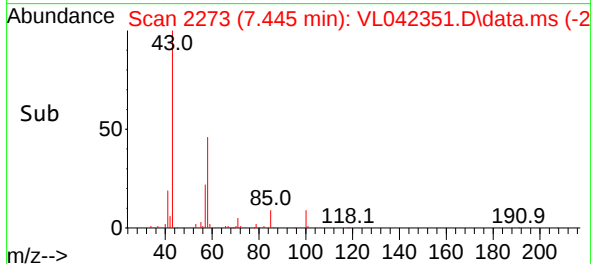
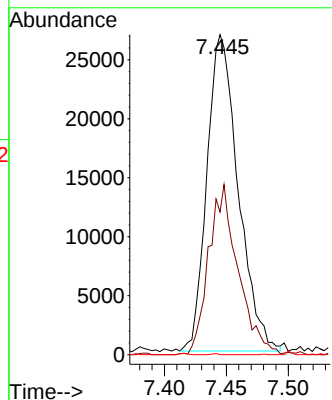
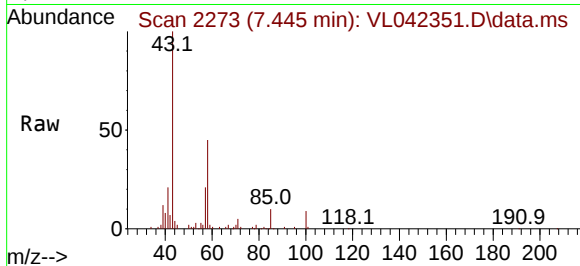




#51  
2-Hexanone  
Concen: 1.103 ppbv  
RT: 7.445 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

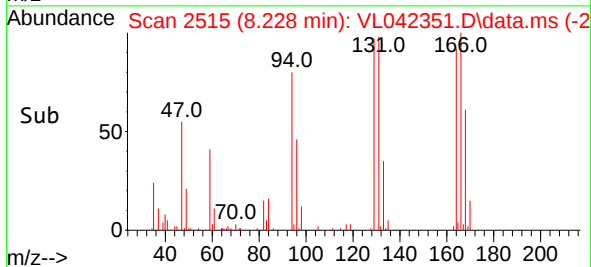
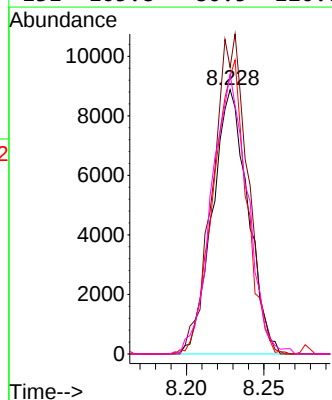
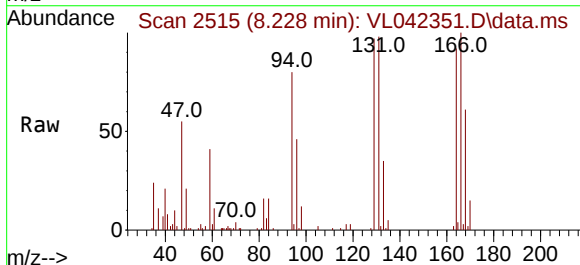
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

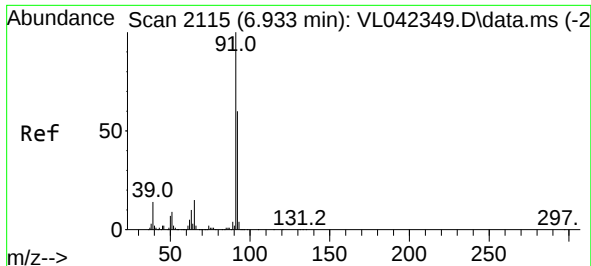
Tgt Ion: 43 Resp: 47178  
Ion Ratio Lower Upper  
43 100  
58 50.8 40.2 60.4  
98 0.1 0.1 0.1



#52  
Tetrachloroethene  
Concen: 0.943 ppbv  
RT: 8.228 min Scan# 2515  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 164 Resp: 14154  
Ion Ratio Lower Upper  
164 100  
166 107.7 98.2 147.2  
129 104.2 81.8 122.8  
131 105.8 80.5 120.7





#53

Toluene

Concen: 1.001 ppbv

RT: 6.940 min Scan# 2115

Delta R.T. 0.007 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

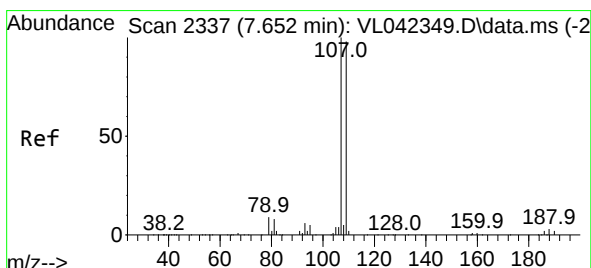
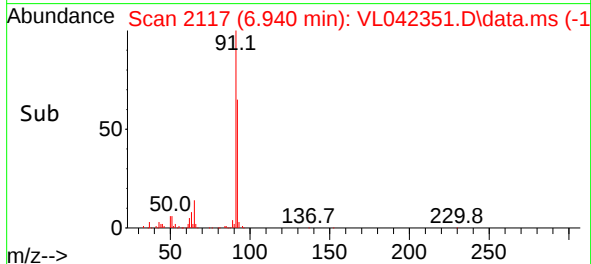
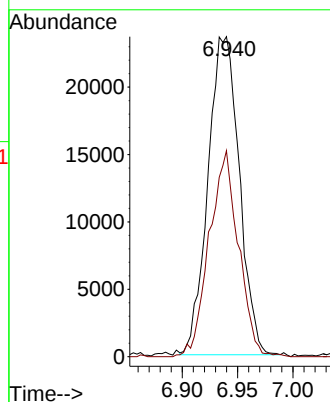
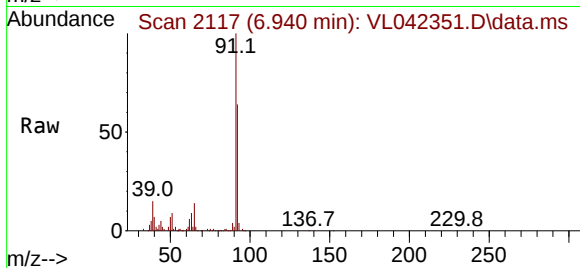
VSTDIC001

Tgt Ion: 91 Resp: 46611

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.4



#54

1,2-Dibromoethane

Concen: 1.036 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. 0.007 min

Lab File: VL042351.D

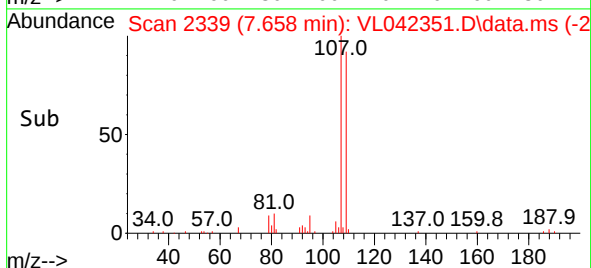
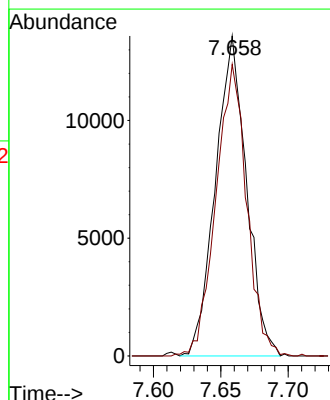
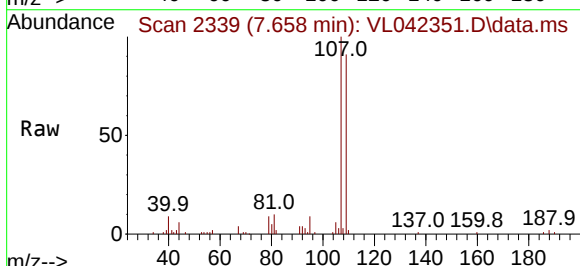
Acq: 17 Apr 2025 10:48

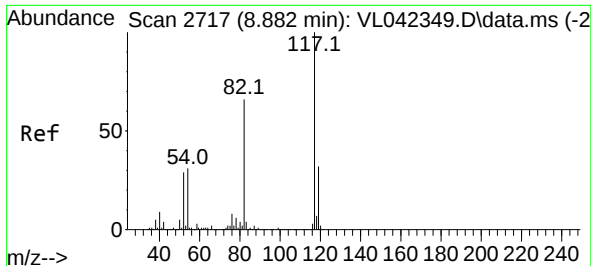
Tgt Ion: 107 Resp: 21780

Ion Ratio Lower Upper

107 100

109 90.7 78.2 117.4

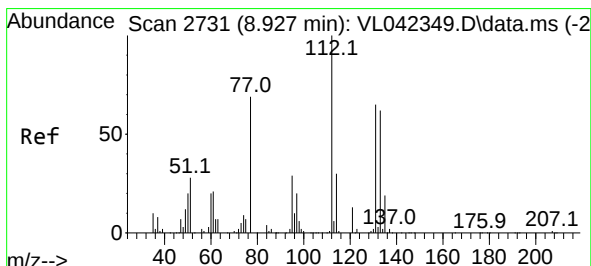
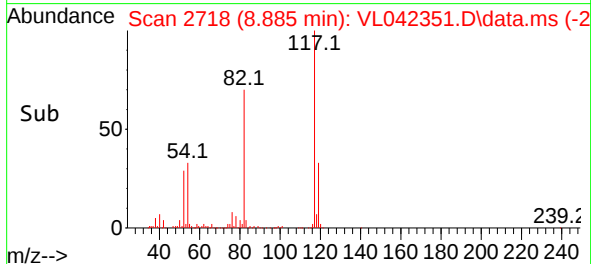
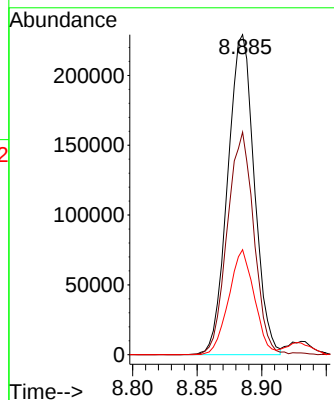
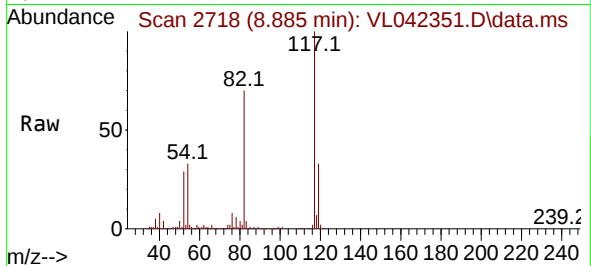




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2718  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

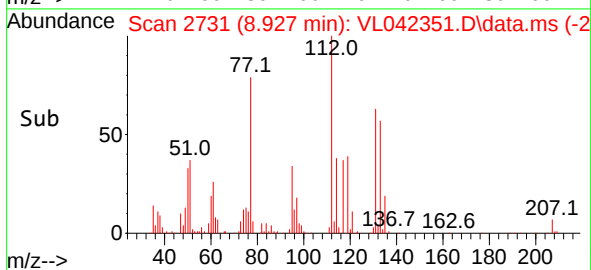
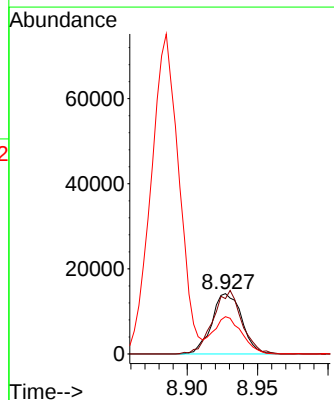
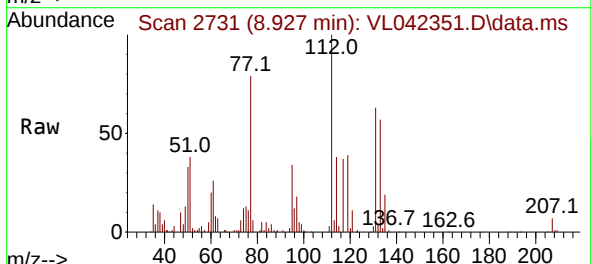
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

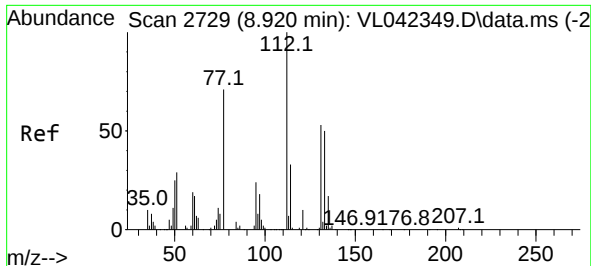
Tgt Ion:117 Resp: 329090  
Ion Ratio Lower Upper  
117 100  
82 69.7 57.8 86.6  
119 31.8 25.2 37.8



#56  
1,1,1,2-Tetrachloroethane  
Concen: 1.057 ppbv  
RT: 8.927 min Scan# 2731  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion:131 Resp: 21052  
Ion Ratio Lower Upper  
131 100  
133 100.5 78.3 117.5  
119 55.1 48.7 73.1

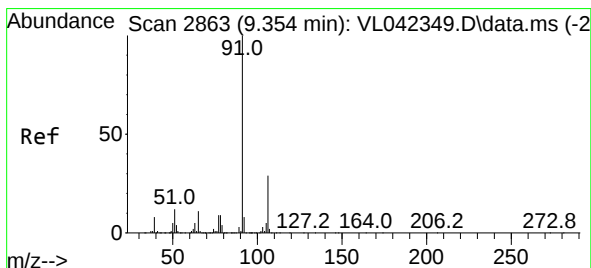
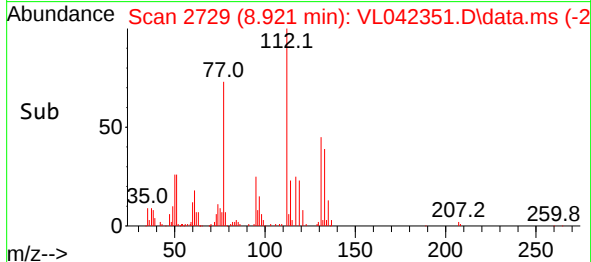
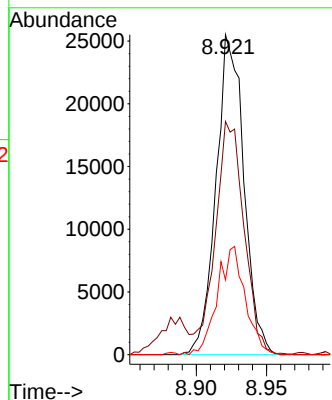
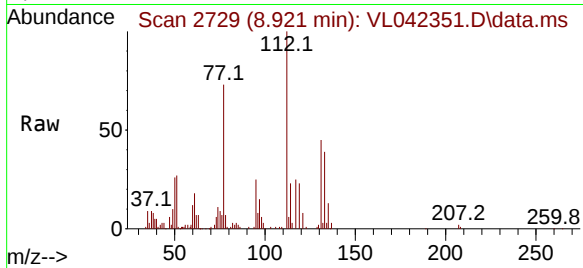




#57  
Chlorobenzene  
Concen: 1.026 ppbv  
RT: 8.921 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

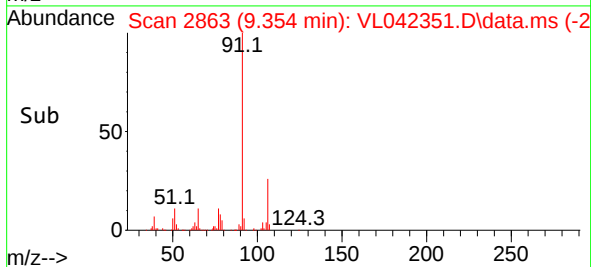
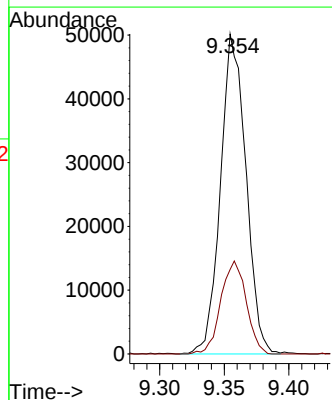
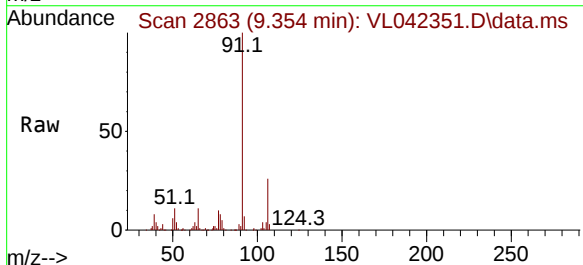
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

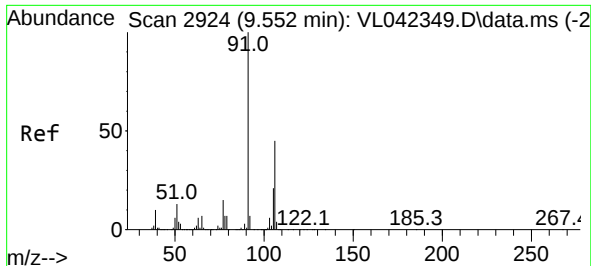
Tgt Ion:112 Resp: 35113  
Ion Ratio Lower Upper  
112 100  
77 72.4 57.8 86.6  
114 23.3 29.3 35.9#



#58  
Ethyl Benzene  
Concen: 1.054 ppbv  
RT: 9.354 min Scan# 2863  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 68703  
Ion Ratio Lower Upper  
91 100  
106 26.5 23.0 34.4





#59

m/p-Xylene

Concen: 0.926 ppbv

RT: 9.552 min Scan# 2924

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

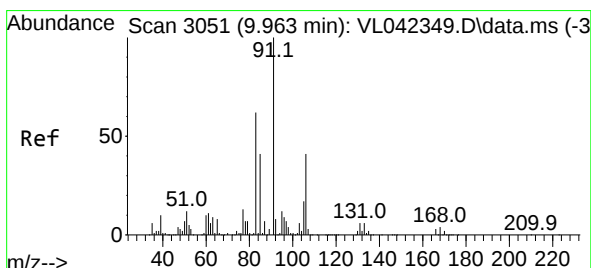
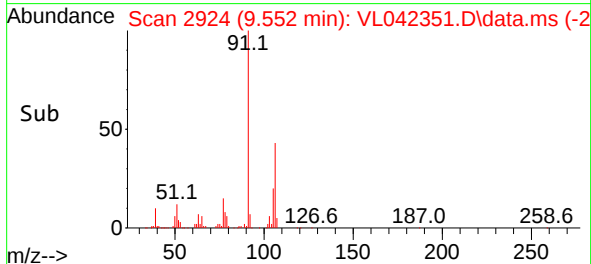
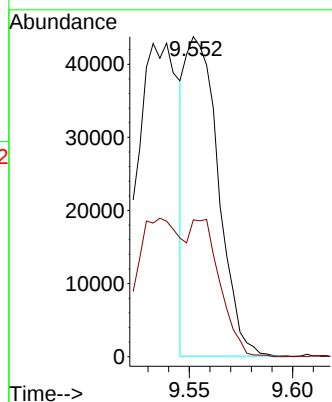
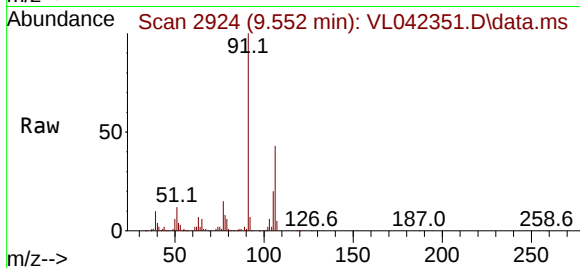
VSTDIC001

Tgt Ion: 91 Resp: 48794

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 1.056 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. 0.004 min

Lab File: VL042351.D

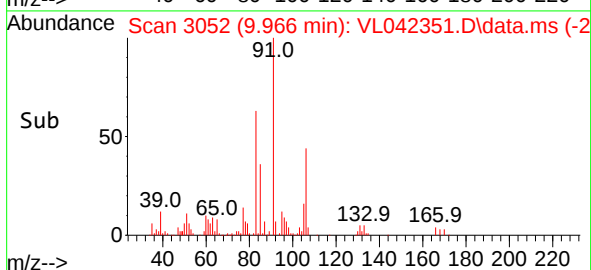
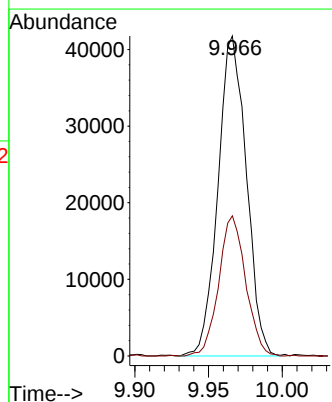
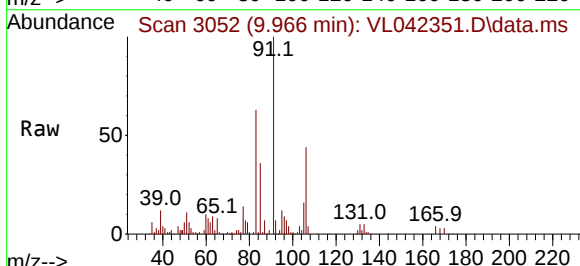
Acq: 17 Apr 2025 10:48

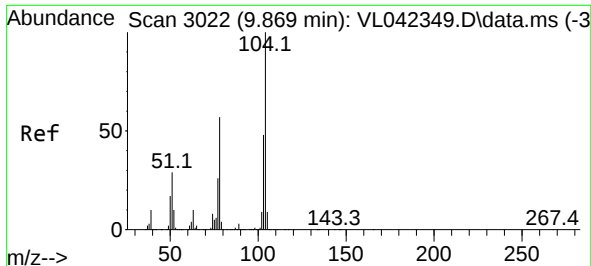
Tgt Ion: 91 Resp: 55831

Ion Ratio Lower Upper

91 100

106 41.6 21.1 63.4





#61

Styrene

Concen: 1.012 ppbv

RT: 9.872 min Scan# 3022

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC001

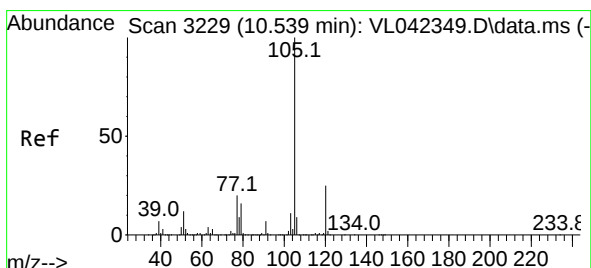
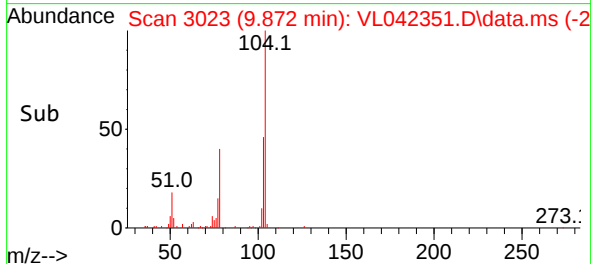
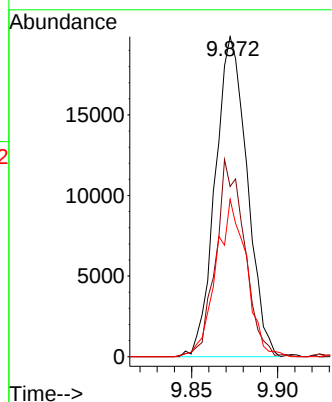
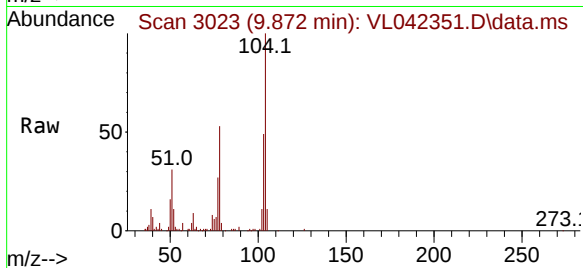
Tgt Ion:104 Resp: 25544

Ion Ratio Lower Upper

104 100

78 55.7 44.6 66.8

103 47.2 37.4 56.0



#62

Isopropylbenzene

Concen: 1.047 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.004 min

Lab File: VL042351.D

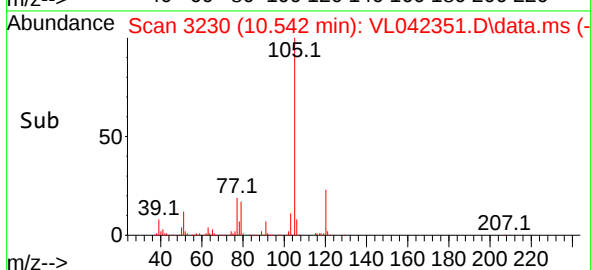
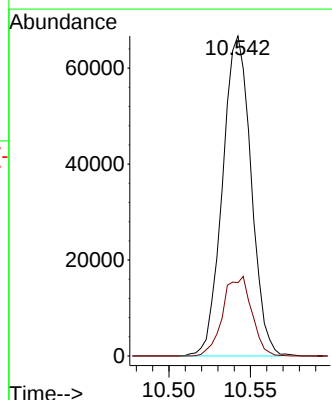
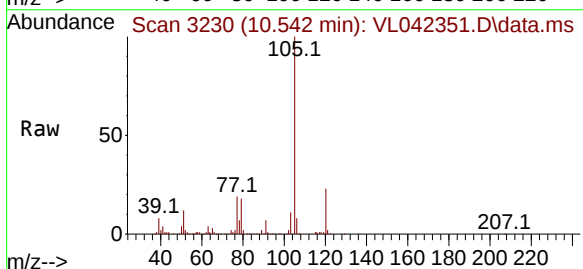
Acq: 17 Apr 2025 10:48

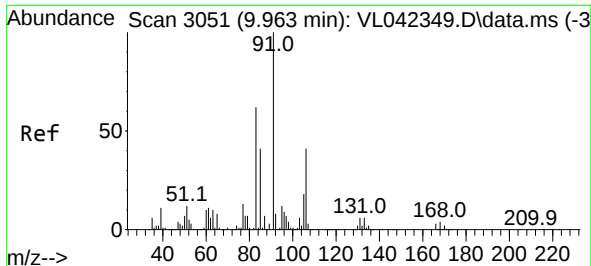
Tgt Ion:105 Resp: 81286

Ion Ratio Lower Upper

105 100

120 25.0 19.8 29.8

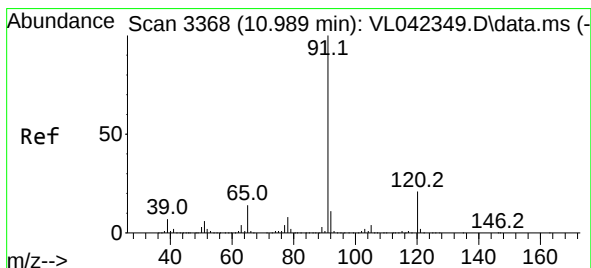
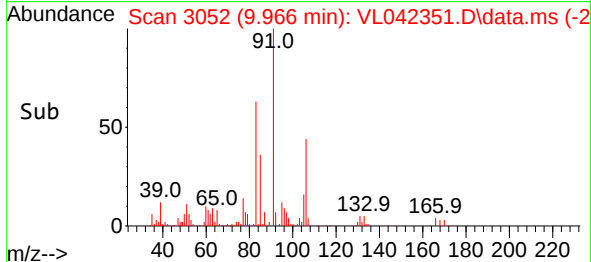
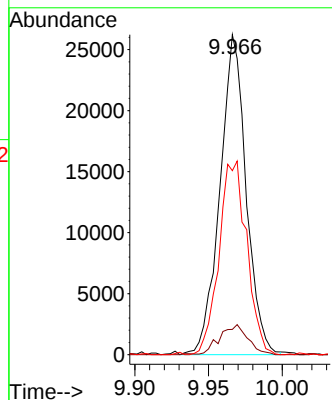
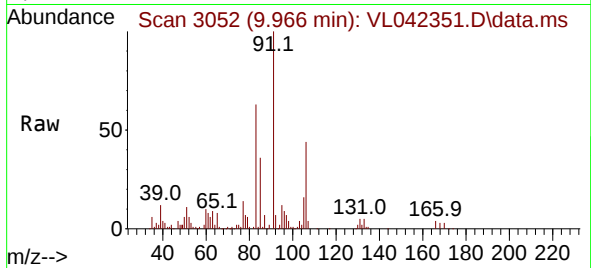




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.943 ppbv  
RT: 9.966 min Scan# 3051  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

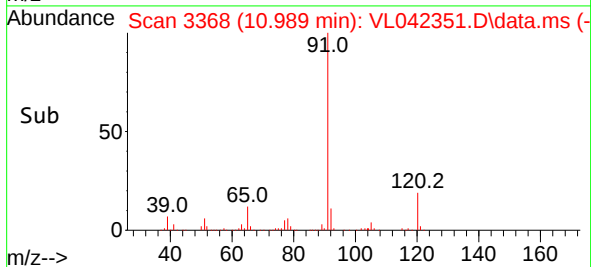
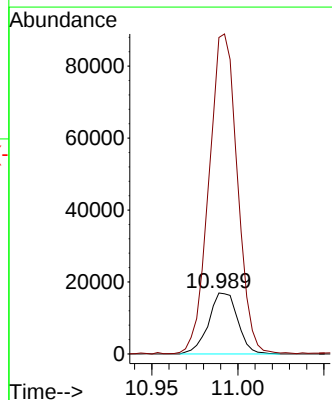
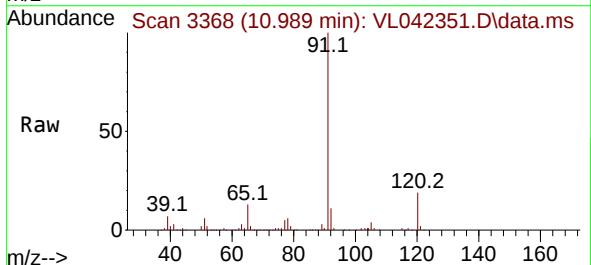
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

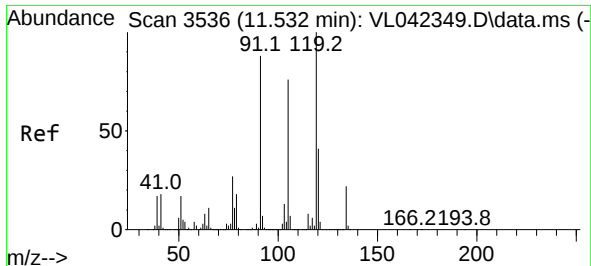
Tgt Ion: 83 Resp: 32410  
Ion Ratio Lower Upper  
83 100  
131 10.2 4.5 13.7  
85 64.4 32.4 97.0



#64  
n-propylbenzene  
Concen: 1.019 ppbv  
RT: 10.989 min Scan# 3368  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion:120 Resp: 19898  
Ion Ratio Lower Upper  
120 100  
91 517.6 392.4 588.6

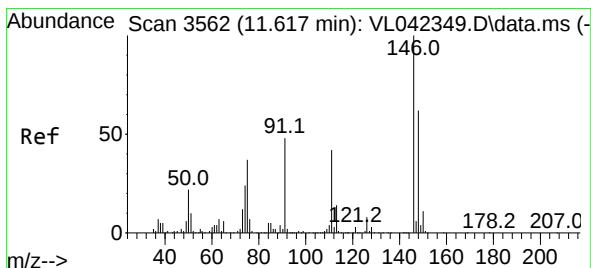
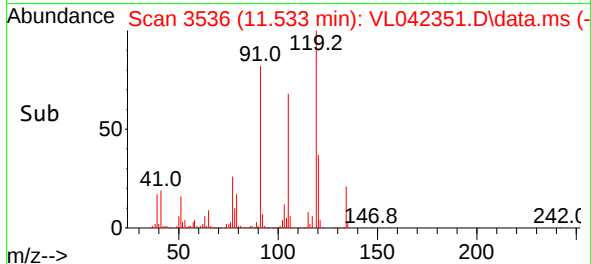
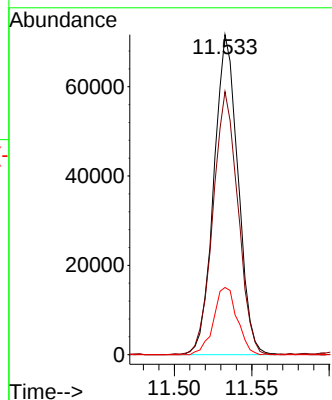
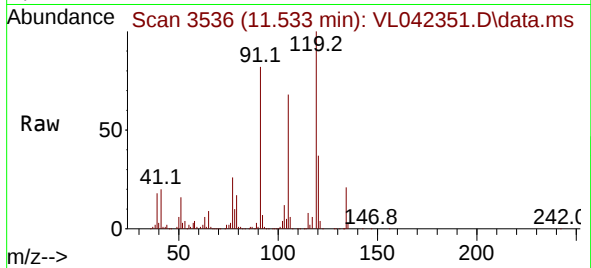




#65  
tert-Butylbenzene  
Concen: 1.087 ppbv  
RT: 11.533 min Scan# 3536  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

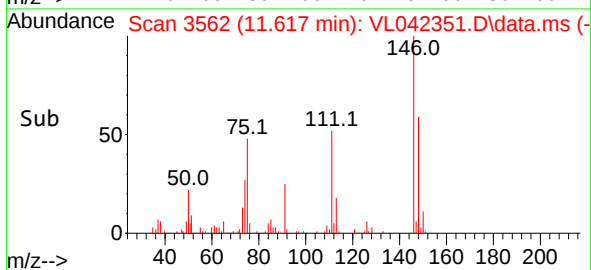
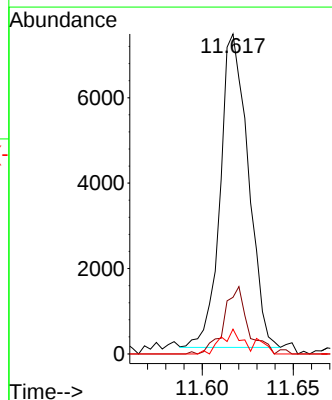
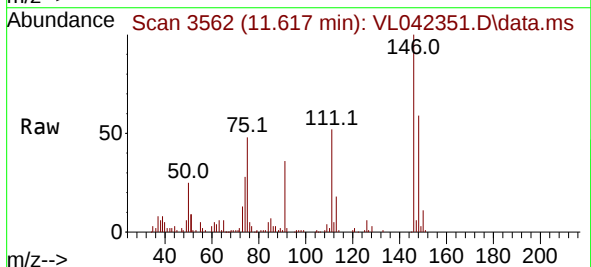
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

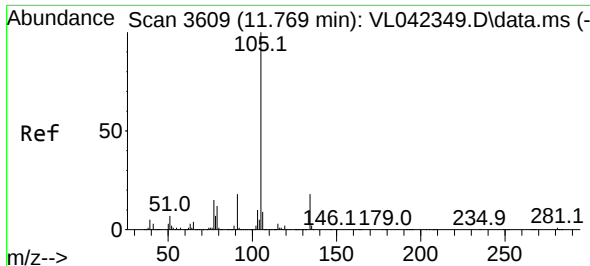
Tgt Ion:119 Resp: 77598  
Ion Ratio Lower Upper  
119 100  
91 85.0 74.6 111.8  
134 20.5 18.8 28.2



#66  
Benzyl Chloride  
Concen: 1.003 ppbv  
RT: 11.617 min Scan# 3562  
Delta R.T. 0.000 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion: 91 Resp: 7864  
Ion Ratio Lower Upper  
91 100  
126 18.6 11.8 17.6#  
128 7.7 4.5 6.7#

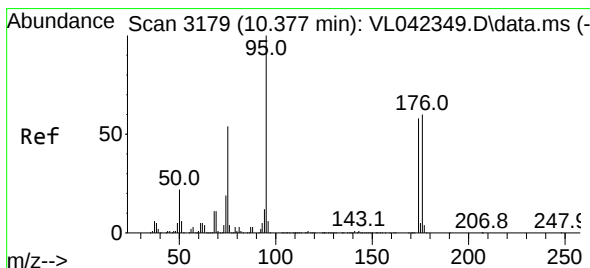
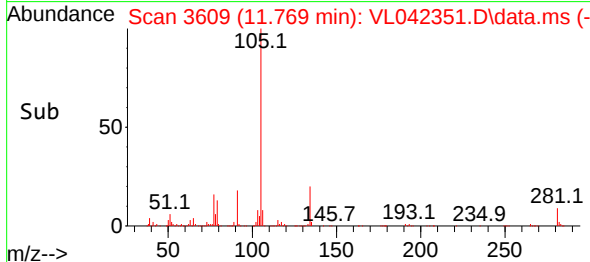
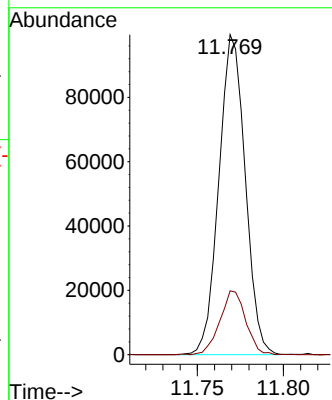
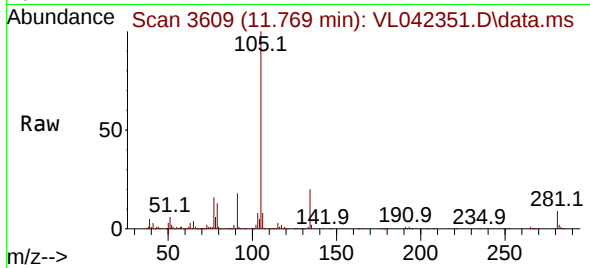




#67  
 sec-Butylbenzene  
 Concen: 1.067 ppbv  
 RT: 11.769 min Scan# 3609  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

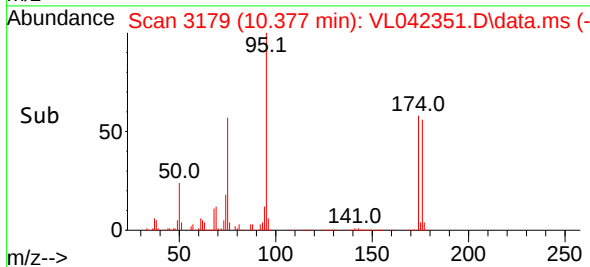
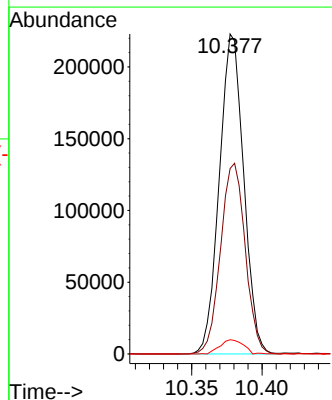
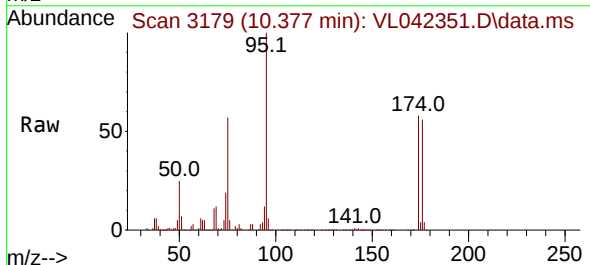
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

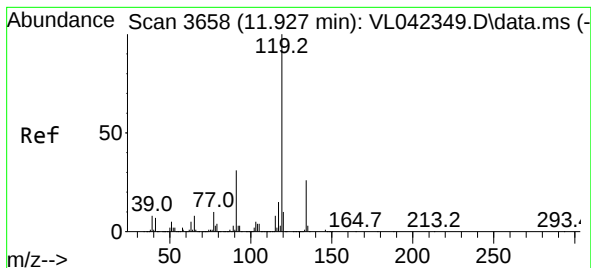
Tgt Ion:105 Resp: 105919  
 Ion Ratio Lower Upper  
 105 100  
 134 19.6 14.6 21.8



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.950 ppbv  
 RT: 10.377 min Scan# 3179  
 Delta R.T. 0.000 min  
 Lab File: VL042351.D  
 Acq: 17 Apr 2025 10:48

Tgt Ion: 95 Resp: 269087  
 Ion Ratio Lower Upper  
 95 100  
 174 60.4 48.5 72.7  
 175 4.3 3.7 5.5





#69

p-Isopropyltoluene

Concen: 1.075 ppbv

RT: 11.928 min Scan# 3658

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

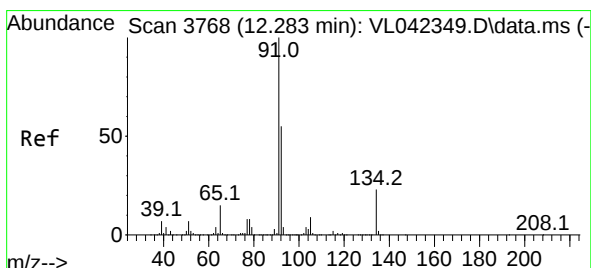
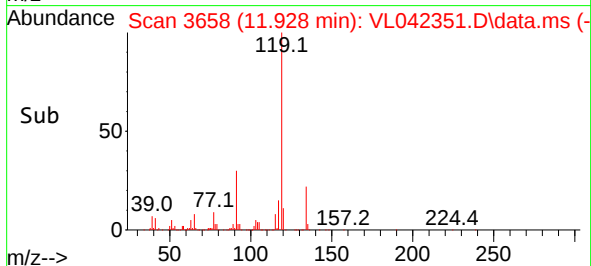
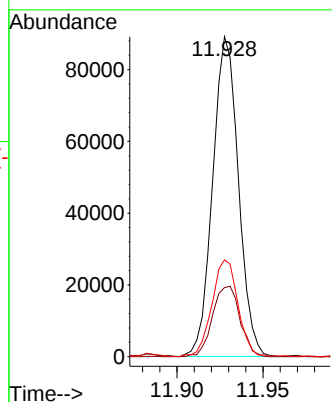
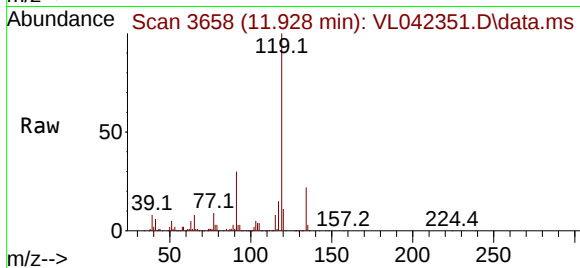
Tgt Ion:119 Resp: 92733

Ion Ratio Lower Upper

119 100

134 23.5 20.0 30.0

91 32.1 24.4 36.6



#70

n-Butylbenzene

Concen: 1.072 ppbv

RT: 12.284 min Scan# 3768

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

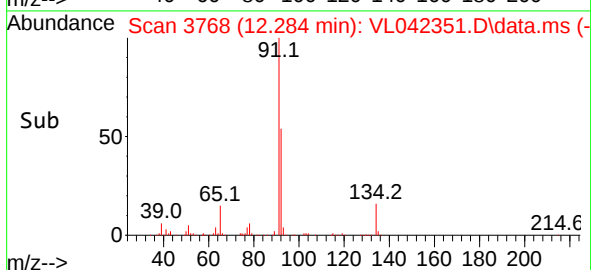
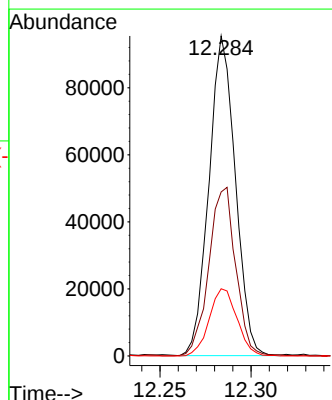
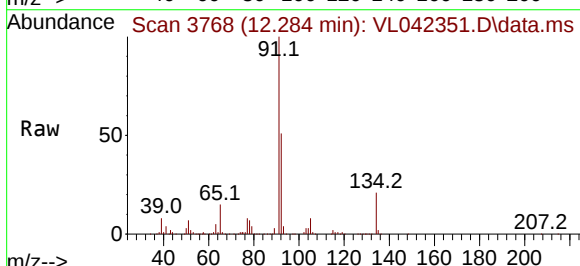
Tgt Ion: 91 Resp: 96306

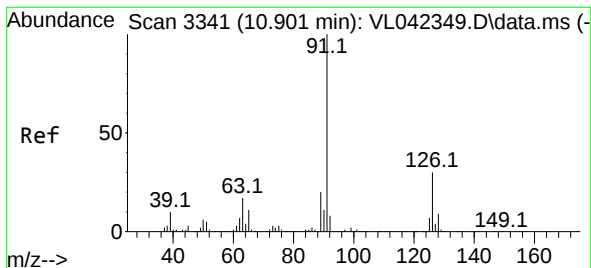
Ion Ratio Lower Upper

91 100

92 54.2 44.2 66.4

134 22.1 18.2 27.4





#71

2-Chlorotoluene

Concen: 1.040 ppbv

RT: 10.905 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

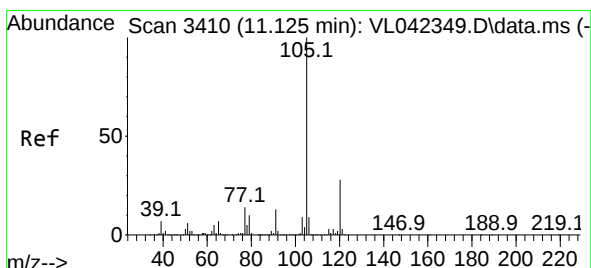
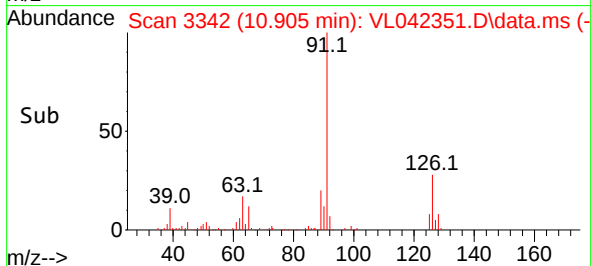
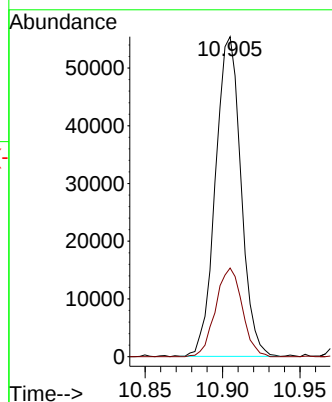
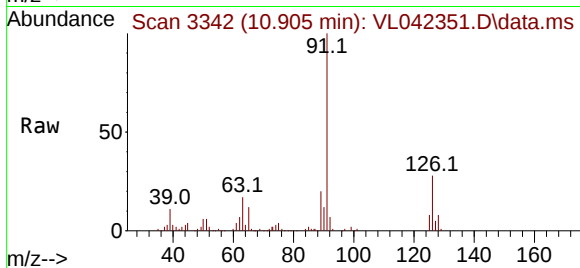
VSTDIC001

Tgt Ion: 91 Resp: 63321

Ion Ratio Lower Upper

91 100

126 28.9 11.4 45.4



#72

4-Ethyltoluene

Concen: 1.078 ppbv

RT: 11.128 min Scan# 3411

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 69698

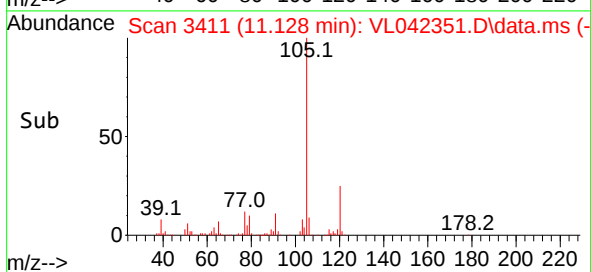
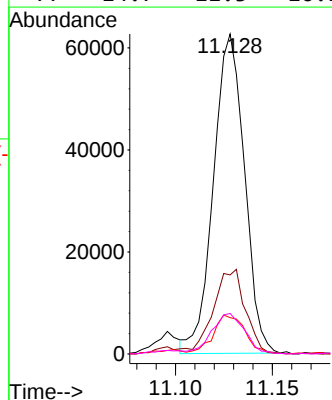
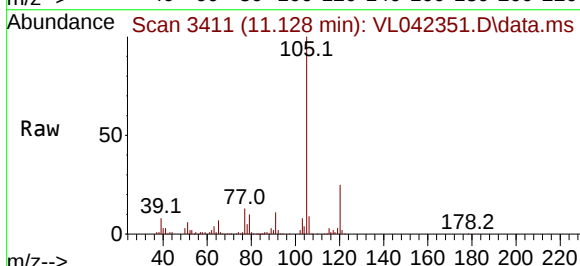
Ion Ratio Lower Upper

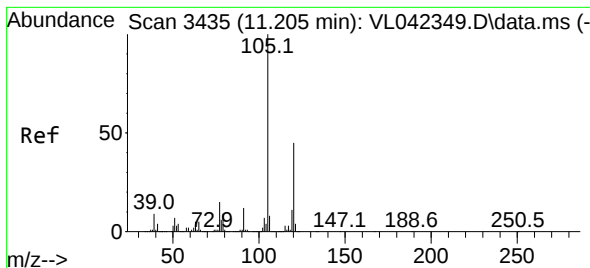
105 100

120 29.2 23.2 34.8

91 13.5 10.4 15.6

77 14.7 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 1.067 ppbv

RT: 11.206 min Scan# 3435

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_1

ClientSampleId :

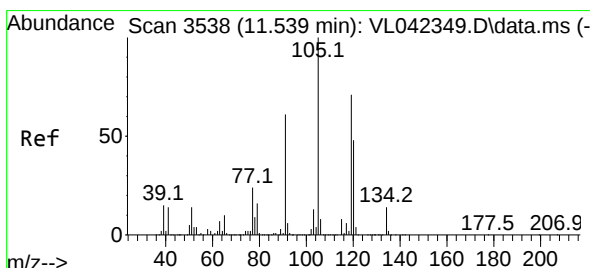
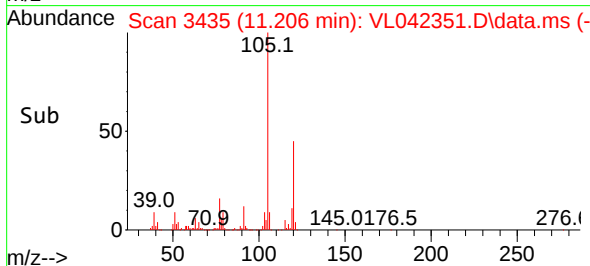
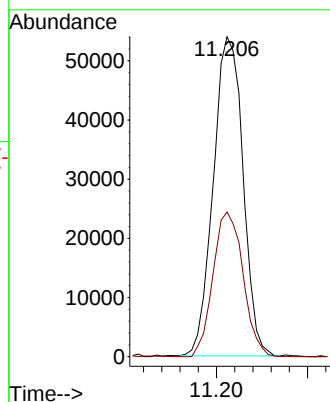
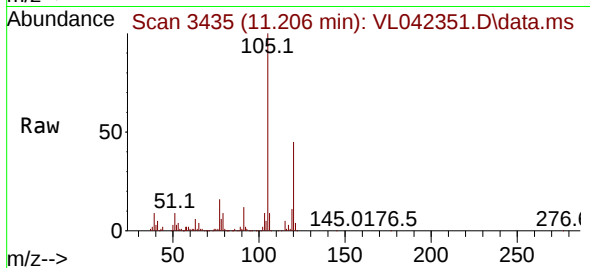
VSTDIC001

Tgt Ion:105 Resp: 60927

Ion Ratio Lower Upper

105 100

120 45.3 35.6 53.4



#74

1,2,4-Trimethylbenzene

Concen: 1.108 ppbv

RT: 11.539 min Scan# 3538

Delta R.T. 0.000 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Tgt Ion:105 Resp: 73888

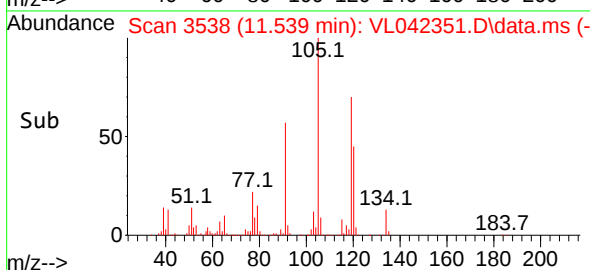
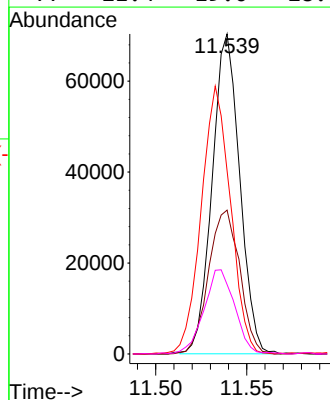
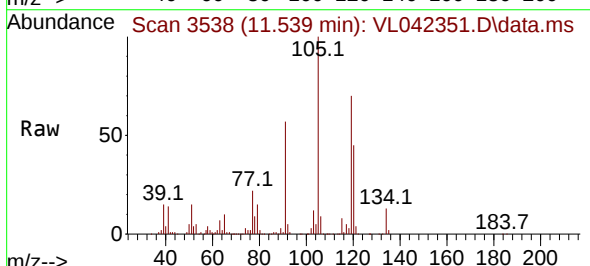
Ion Ratio Lower Upper

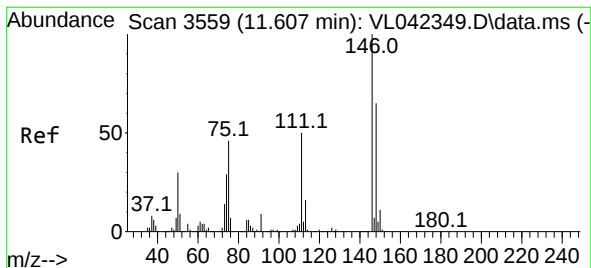
105 100

120 45.0 38.1 57.1

91 57.0 48.8 73.2

77 21.4 19.0 28.4





#75

1,3-Dichlorobenzene

Concen: 1.064 ppbv

RT: 11.610 min Scan# 3559

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC001

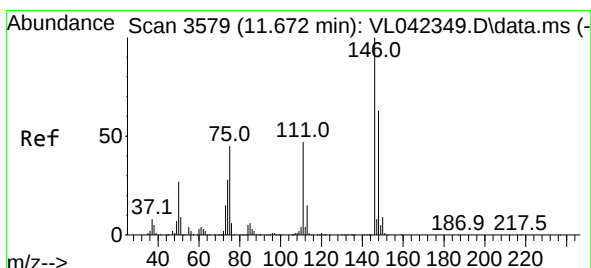
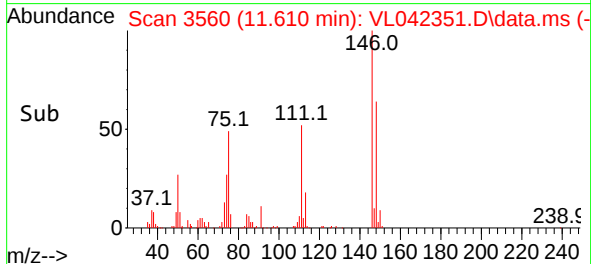
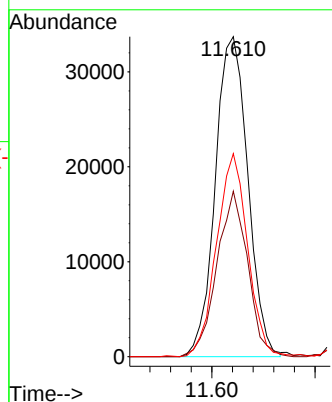
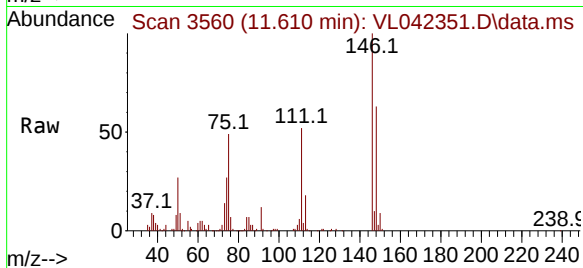
Tgt Ion:146 Resp: 36877

Ion Ratio Lower Upper

146 100

111 48.9 24.3 72.8

148 60.8 31.6 94.8



#76

1,4-Dichlorobenzene

Concen: 1.053 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.004 min

Lab File: VL042351.D

Acq: 17 Apr 2025 10:48

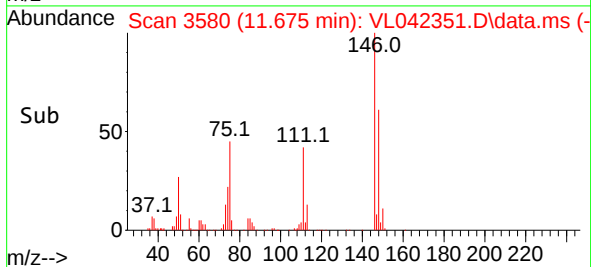
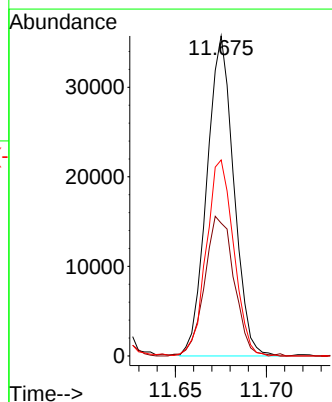
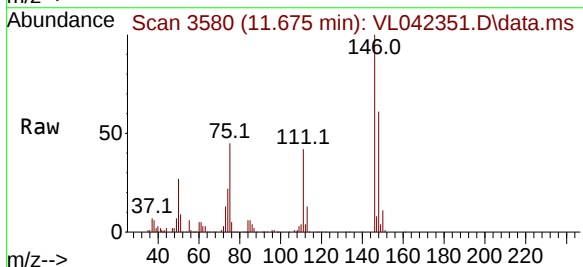
Tgt Ion:146 Resp: 36692

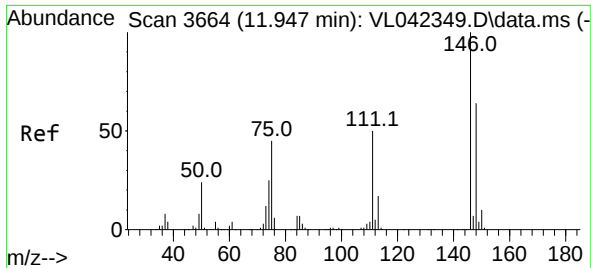
Ion Ratio Lower Upper

146 100

111 47.7 24.2 72.6

148 62.3 32.1 96.5

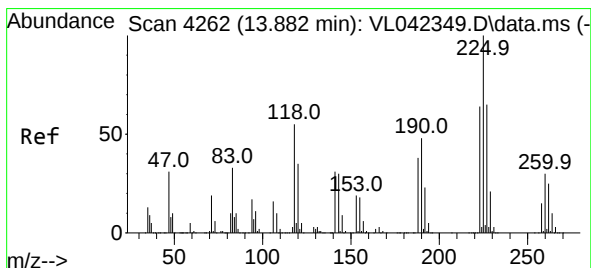
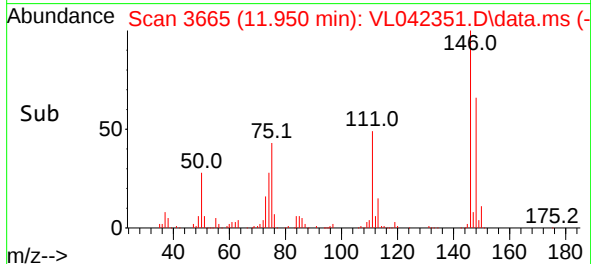
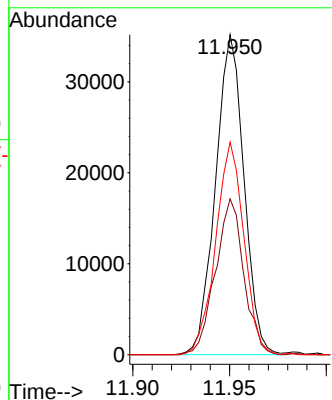
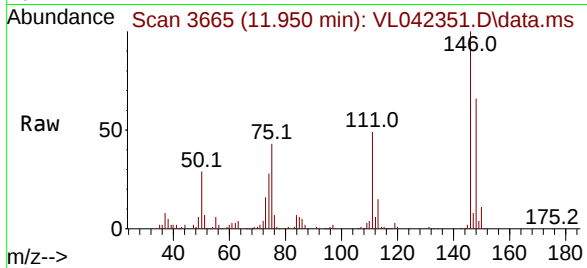




#77  
1,2-Dichlorobenzene  
Concen: 1.068 ppbv  
RT: 11.950 min Scan# 30  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

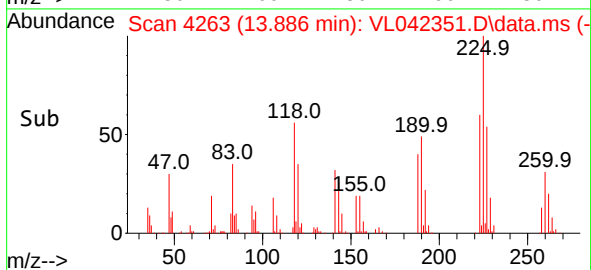
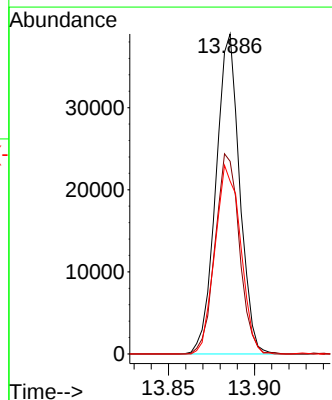
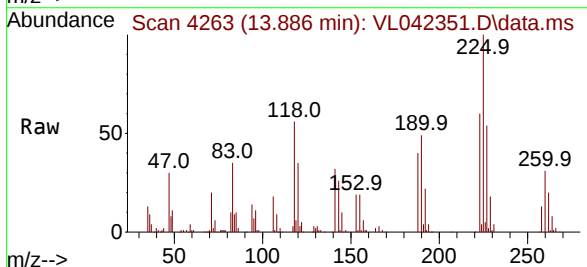
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

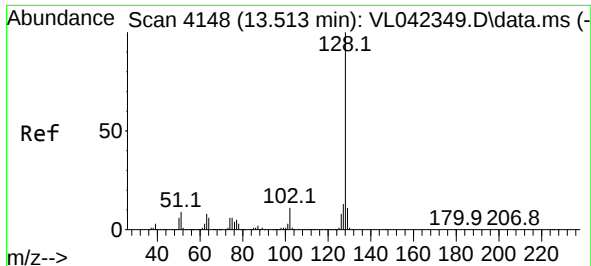
Tgt Ion:146 Resp: 35977  
Ion Ratio Lower Upper  
146 100  
111 48.7 25.3 75.9  
148 65.9 31.5 94.5



#78  
Hexachloro-1,3-Butadiene  
Concen: 1.098 ppbv  
RT: 13.886 min Scan# 4263  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion:225 Resp: 37377  
Ion Ratio Lower Upper  
225 100  
223 64.1 50.3 75.5  
227 63.6 51.5 77.3

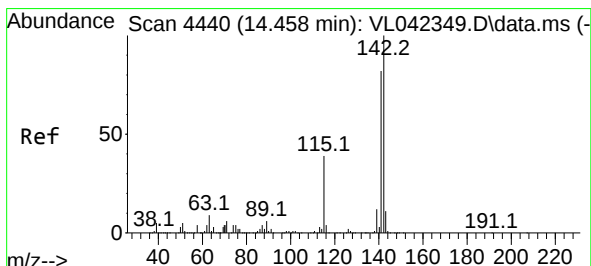
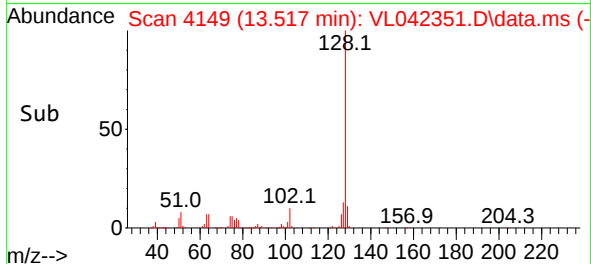
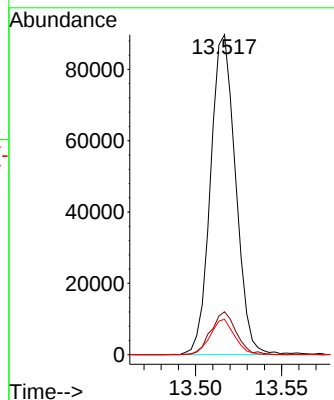
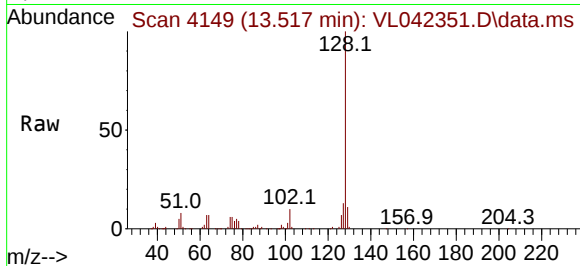




#79  
Naphthalene  
Concen: 1.138 ppbv  
RT: 13.517 min Scan# 4149  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

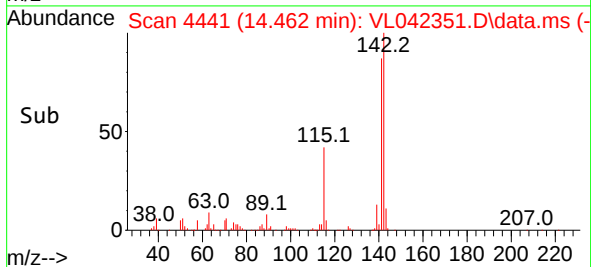
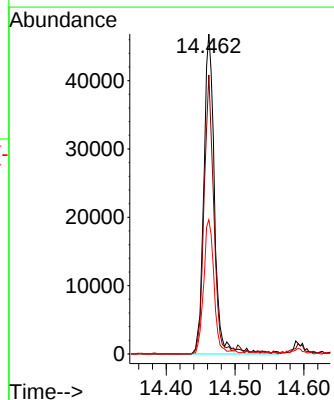
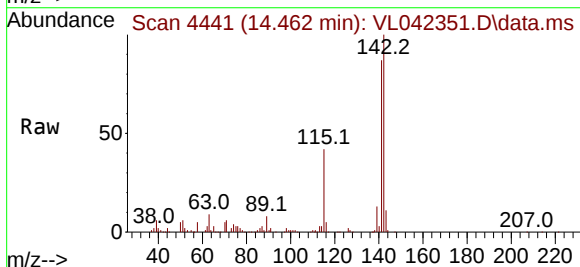
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

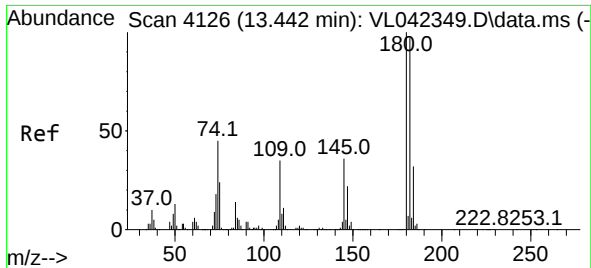
Tgt Ion:128 Resp: 90710  
Ion Ratio Lower Upper  
128 100  
127 13.4 10.6 15.8  
129 11.1 8.6 12.8



#80  
Naphthalene,2-methyl-  
Concen: 1.111 ppbv  
RT: 14.462 min Scan# 4441  
Delta R.T. 0.004 min  
Lab File: VL042351.D  
Acq: 17 Apr 2025 10:48

Tgt Ion:142 Resp: 50487  
Ion Ratio Lower Upper  
142 100  
141 80.9 66.8 100.2  
115 41.2 33.4 50.2





#81

1,2,4-Trichlorobenzene

Concen: 1.074 ppbv

RT: 13.442 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL042351.D

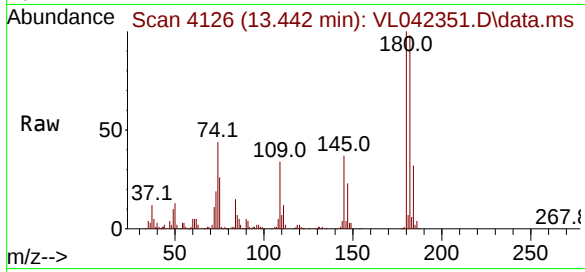
Acq: 17 Apr 2025 10:48

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 36764 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 97.0  | 76.8  | 115.2 |
| 184       | 32.0  | 24.6  | 36.8  |

