

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL052925\  
 Data File : VL042583.D  
 Acq On : 29 May 2025 13:19  
 Operator : SY/MD  
 Sample : VSTDIC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.1

Quant Time: May 30 01:35:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 01:15:52 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 103370   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 302218   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 273881   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 205672   | 10.018   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.200% |

| Target Compounds              |       |     |       |       |        | Qvalue |
|-------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 1430  | 0.113 | ppbv # | 84     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 1965  | 0.112 | ppbv   | 95     |
| 4) Chloromethane              | 1.534 | 50  | 610   | 0.121 | ppbv # | 30     |
| 5) Vinyl Chloride             | 1.580 | 62  | 481   | 0.094 | ppbv # | 31     |
| 6) Bromomethane               | 1.667 | 94  | 300   | 0.120 | ppbv # | 61     |
| 7) Chloroethane               | 1.706 | 64  | 97    | 0.049 | ppbv # | 67     |
| 8) Dichlorotetrafluoroethane  | 1.554 | 85  | 1231  | 0.116 | ppbv   | 96     |
| 9) Propene                    | 1.127 | 41  | 81    | 0.011 | ppbv   | 86     |
| 10) Heptane                   | 4.978 | 43  | 458   | 0.023 | ppbv # | 28     |
| 11) Trichlorofluoromethane    | 1.878 | 101 | 1340  | 0.113 | ppbv   | 85     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 968   | 0.104 | ppbv # | 74     |
| 13) Ethanol                   | 1.722 | 45  | 110   | 0.140 | ppbv   | 71     |
| 14) Bromoethene               | 1.784 | 108 | 334   | 0.096 | ppbv # | 63     |
| 15) Acetone                   | 1.839 | 43  | 2272  | 0.182 | ppbv # | 86     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 739   | 0.125 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.049 | 59  | 1477  | 0.114 | ppbv # | 50     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 501   | 0.116 | ppbv   | 89     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 1079  | 0.145 | ppbv # | 38     |
| 20) Methylene Chloride        | 2.062 | 84  | 1160  | 0.282 | ppbv # | 92     |
| 21) Allyl Chloride            | 2.094 | 41  | 1240  | 0.141 | ppbv # | 60     |
| 22) trans-1,2-Dichloroethene  | 2.036 | 96  | 501   | 0.104 | ppbv   | 92     |
| 23) Vinyl Acetate             | 2.467 | 43  | 2108  | 0.125 | ppbv # | 72     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 1231  | 0.124 | ppbv # | 86     |
| 25) Ethyl Acetate             | 2.849 | 43  | 2623  | 0.077 | ppbv # | 77     |
| 26) Hexane                    | 2.829 | 57  | 1816  | 0.117 | ppbv # | 8      |
| 27) Carbon Disulfide          | 2.153 | 76  | 641   | 0.054 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 614   | 0.098 | ppbv # | 50     |
| 29) Chloroform                | 2.849 | 83  | 2298  | 0.114 | ppbv # | 72     |
| 30) Cyclohexane               | 3.865 | 84  | 743   | 0.058 | ppbv # | 1      |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 1499  | 0.106 | ppbv # | 78     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 2153  | 0.107 | ppbv   | 90     |
| 34) 2-Butanone                | 2.567 | 43  | 3113  | 0.144 | ppbv # | 87     |
| 35) Carbon Tetrachloride      | 3.768 | 117 | 2135  | 0.107 | ppbv # | 76     |
| 36) Benzene                   | 3.661 | 78  | 3109  | 0.104 | ppbv # | 89     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 1731  | 0.117 | ppbv   | 99     |
| 38) Trichloroethene           | 4.548 | 130 | 963   | 0.076 | ppbv # | 62     |
| 39) 1,2-Dichloropropane       | 3.962 | 63  | 73521 | 6.683 | ppbv # | 22     |
| 40) 1,4-Dioxane               | 4.612 | 88  | 74    | 0.016 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 3.072 | 42  | 1452  | 0.115 | ppbv   | 94     |
| 42) Bromodichloromethane      | 4.496 | 83  | 1835  | 0.087 | ppbv # | 87     |
| 43) Methyl Methacrylate       | 4.891 | 69  | 685   | 0.059 | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane    | 4.651 | 57  | 3117  | 0.061 | ppbv # | 24     |
| 45) t-1,3-Dichloropropene     | 6.419 | 75  | 397   | 0.030 | ppbv   | 95     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL052925\  
 Data File : VL042583.D  
 Acq On : 29 May 2025 13:19  
 Operator : SY/MD  
 Sample : VSTDICC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

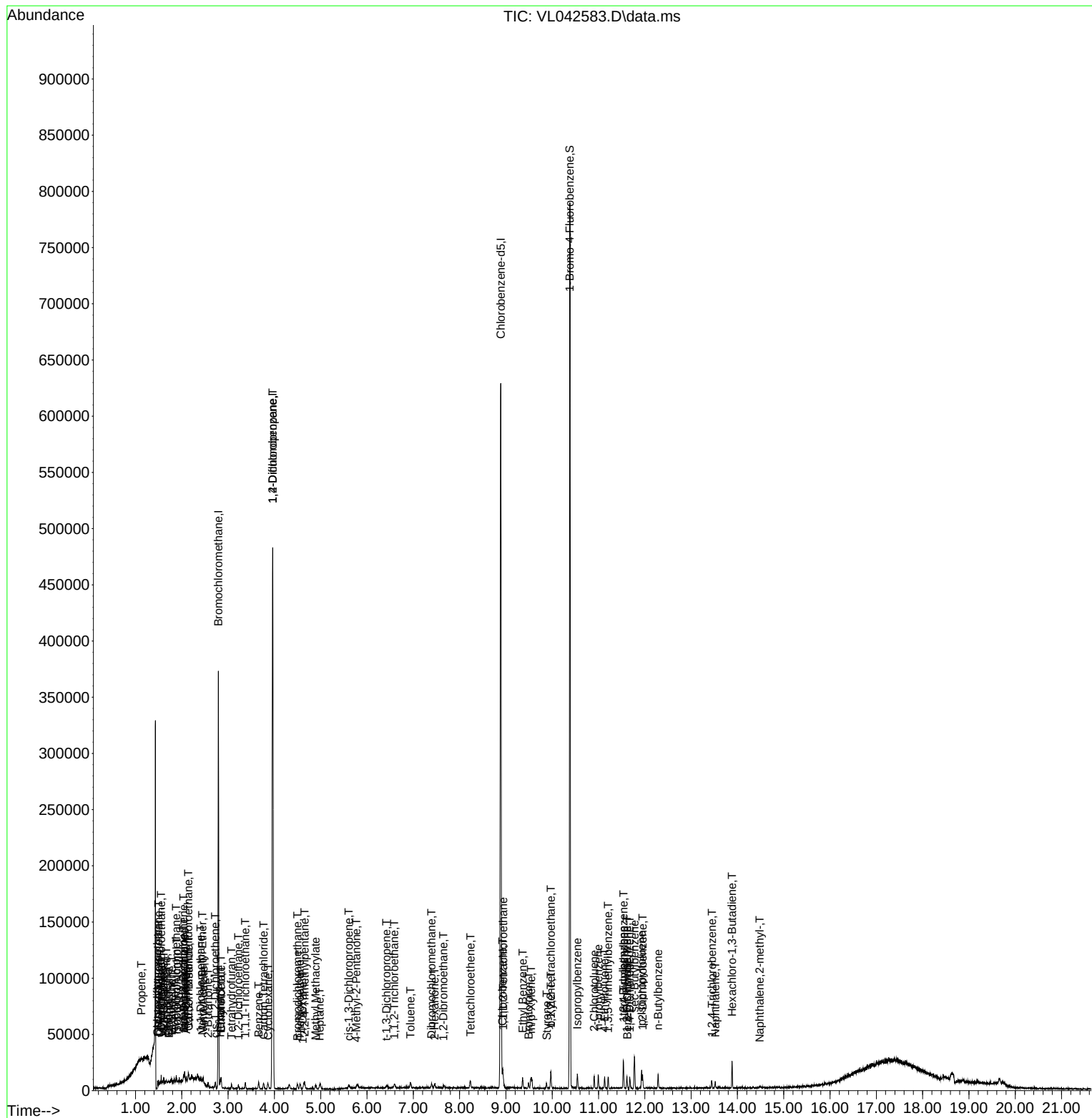
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.1

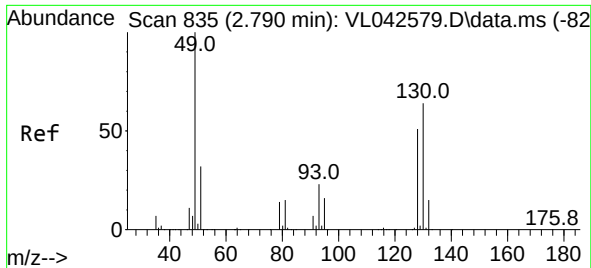
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri May 30 01:15:52 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |    |
|-------------------------------|--------|------|----------|-------|-------|----------|----|
| 46) cis-1,3-Dichloropropene   | 5.606  | 75   | 449      | 0.027 | ppbv  | #        | 57 |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 786      | 0.069 | ppbv  | #        | 61 |
| 48) Dibromochloromethane      | 7.393  | 129  | 1718     | 0.094 | ppbv  |          | 87 |
| 49) Bromoform                 | 9.490  | 173  | 1444     | 0.092 | ppbv  |          | 91 |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 563      | 0.019 | ppbv  | #        | 33 |
| 51) 2-Hexanone                | 7.457  | 43   | 1172     | 0.049 | ppbv  | #        | 28 |
| 52) Tetrachloroethene         | 8.238  | 164  | 1060     | 0.095 | ppbv  | #        | 73 |
| 53) Toluene                   | 6.940  | 91   | 1577     | 0.046 | ppbv  | #        | 1  |
| 54) 1,2-Dibromoethane         | 7.648  | 107  | 492      | 0.029 | ppbv  |          | 89 |
| 56) 1,1,1,2-Tetrachloroethane | 8.940  | 131  | 527      | 0.038 | ppbv  | #        | 9  |
| 57) Chlorobenzene             | 8.924  | 112  | 1397     | 0.053 | ppbv  | #        | 71 |
| 58) Ethyl Benzene             | 9.361  | 91   | 3383     | 0.073 | ppbv  |          | 96 |
| 59) m/p-Xylene                | 9.542  | 91   | 3685     | 0.101 | ppbv  | #        | 29 |
| 60) o-Xylene                  | 9.972  | 91   | 3081     | 0.084 | ppbv  |          | 76 |
| 61) Styrene                   | 9.882  | 104  | 1504     | 0.087 | ppbv  |          | 88 |
| 62) Isopropylbenzene          | 10.542 | 105  | 5949     | 0.110 | ppbv  |          | 99 |
| 63) 1,1,2,2-Tetrachloroethane | 9.969  | 83   | 2267     | 0.098 | ppbv  |          | 96 |
| 64) n-propylbenzene           | 10.992 | 120  | 1232     | 0.085 | ppbv  | #        | 63 |
| 65) tert-Butylbenzene         | 11.536 | 119  | 5169     | 0.106 | ppbv  |          | 96 |
| 66) Benzyl Chloride           | 11.623 | 91   | 234      | 0.037 | ppbv  | #        | 66 |
| 67) sec-Butylbenzene          | 11.775 | 105  | 3973     | 0.058 | ppbv  | #        | 59 |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 5605     | 0.097 | ppbv  |          | 95 |
| 70) n-Butylbenzene            | 12.287 | 91   | 4829     | 0.085 | ppbv  |          | 97 |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 4065     | 0.099 | ppbv  |          | 96 |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 3986     | 0.088 | ppbv  | #        | 95 |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 3615     | 0.096 | ppbv  | #        | 83 |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 4287     | 0.103 | ppbv  | #        | 82 |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 2648     | 0.101 | ppbv  |          | 91 |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 2574     | 0.098 | ppbv  |          | 94 |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 2775     | 0.109 | ppbv  |          | 97 |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 2440     | 0.116 | ppbv  |          | 91 |
| 79) Naphthalene               | 13.523 | 128  | 2887     | 0.074 | ppbv  |          | 98 |
| 80) Naphthalene,2-methyl-     | 14.481 | 142  | 688      | 0.039 | ppbv  | #        | 82 |
| 81) 1,2,4-Trichlorobenzene    | 13.448 | 180  | 1109     | 0.050 | ppbv  | #        | 70 |

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

Quant Time: May 30 01:35:41 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL052925AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Fri May 30 01:15:52 2025  
Response via : Initial Calibration

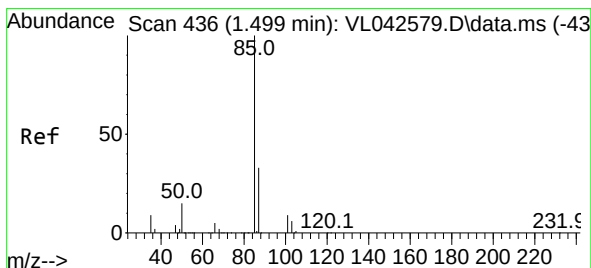
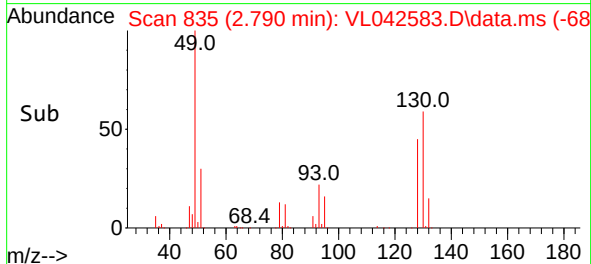
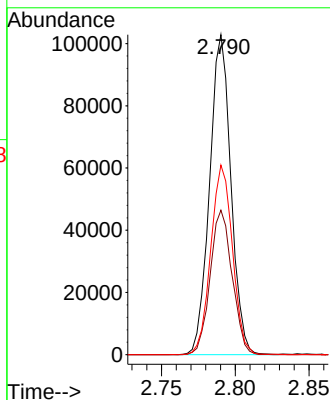
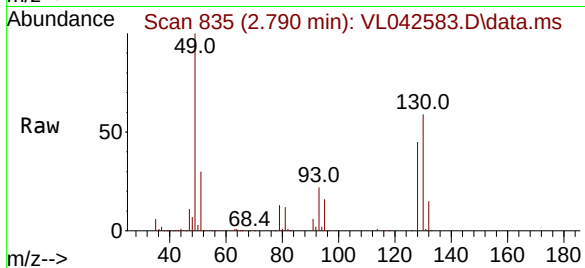




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 835  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

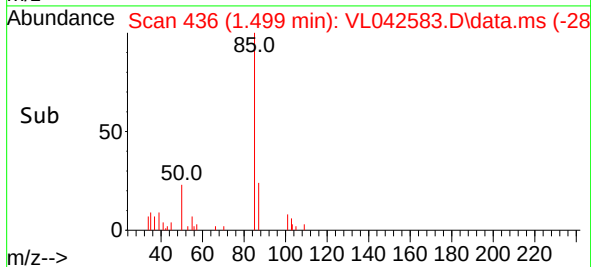
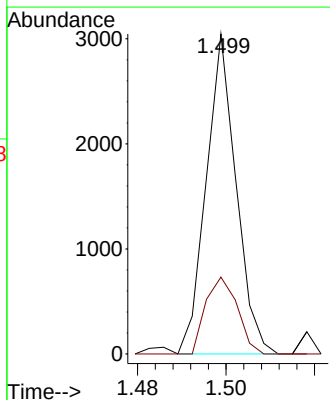
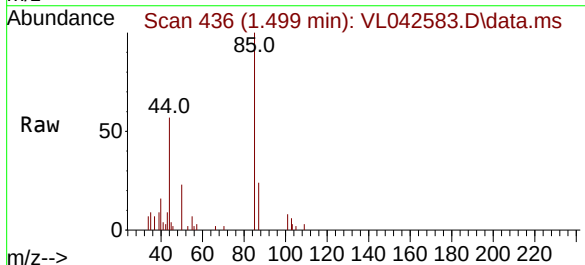
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

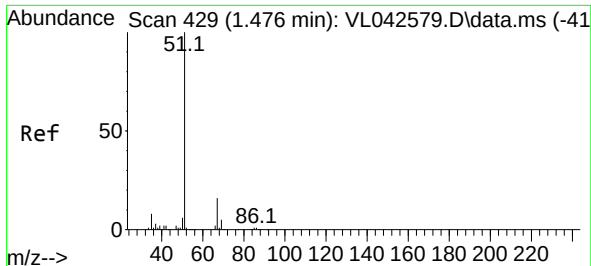
Tgt Ion: 49 Resp: 103370  
Ion Ratio Lower Upper  
49 100  
128 46.5 24.2 72.6  
130 60.4 30.4 91.2



#2  
Dichlorodifluoromethane  
Concen: 0.113 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1430  
Ion Ratio Lower Upper  
85 100  
87 24.0 26.6 39.8

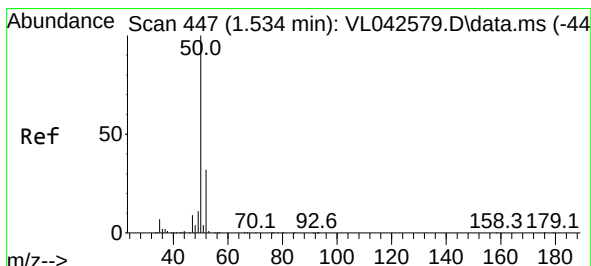
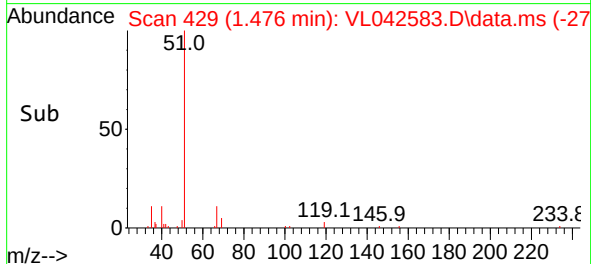
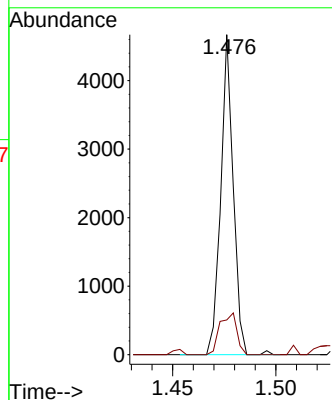
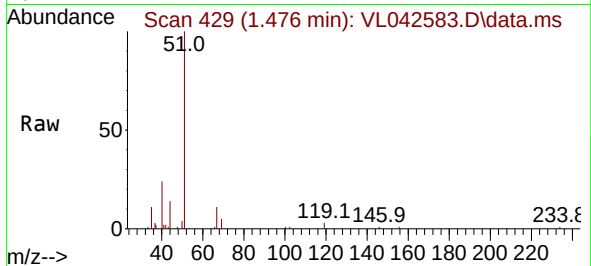




#3  
Chlorodifluoromethane  
Concen: 0.112 ppbv  
RT: 1.476 min Scan# 429  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

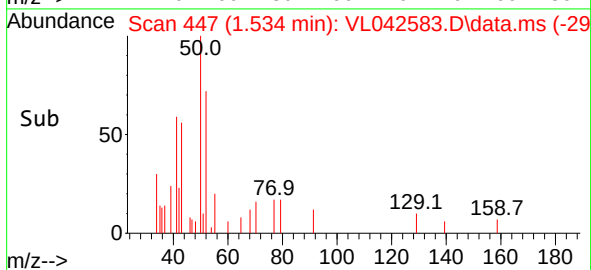
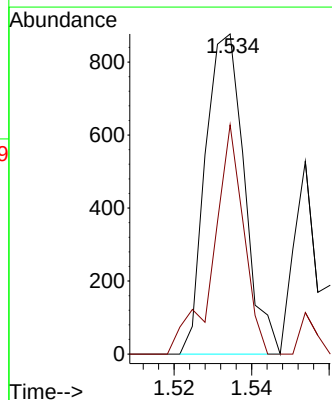
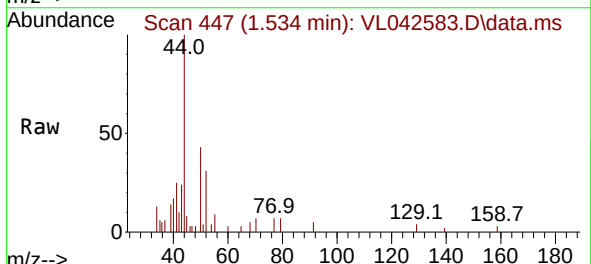
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

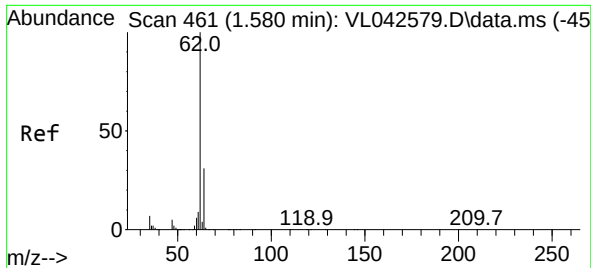
Tgt Ion: 51 Resp: 1965  
Ion Ratio Lower Upper  
51 100  
67 19.0 13.4 20.2



#4  
Chloromethane  
Concen: 0.121 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 50 Resp: 610  
Ion Ratio Lower Upper  
50 100  
52 71.6 25.8 38.6#

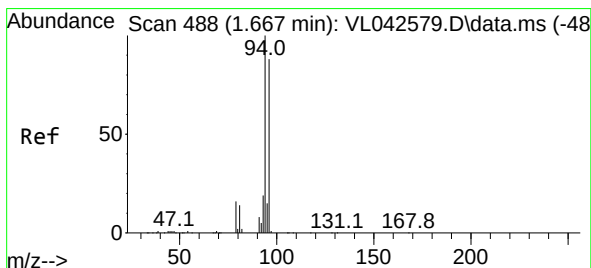
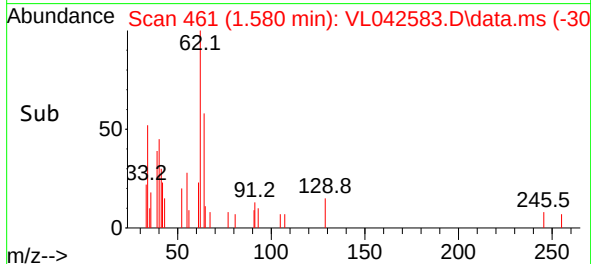
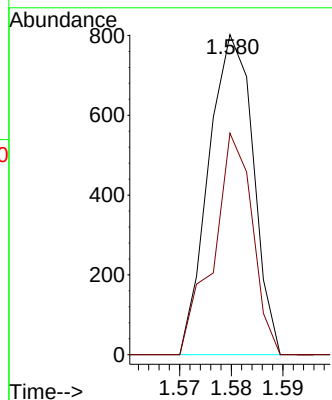
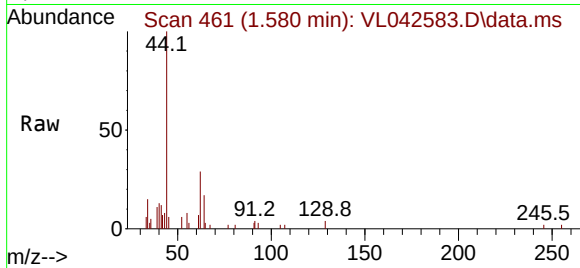




#5  
 Vinyl Chloride  
 Concen: 0.094 ppbv  
 RT: 1.580 min Scan# 461  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

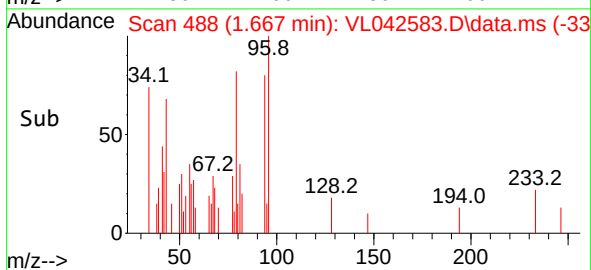
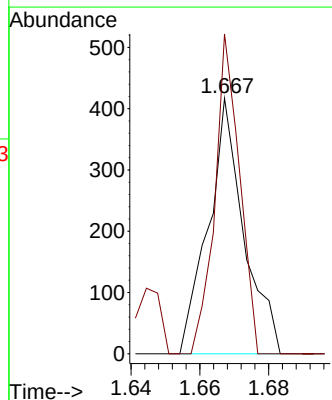
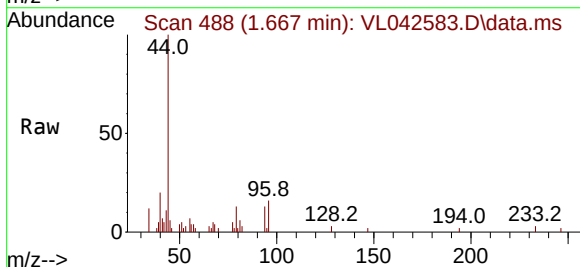
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

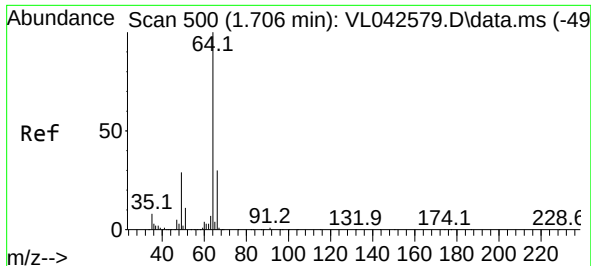
Tgt Ion: 62 Resp: 481  
 Ion Ratio Lower Upper  
 62 100  
 64 69.2 24.9 37.3#



#6  
 Bromomethane  
 Concen: 0.120 ppbv  
 RT: 1.667 min Scan# 488  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

Tgt Ion: 94 Resp: 300  
 Ion Ratio Lower Upper  
 94 100  
 96 125.2 70.7 106.1#

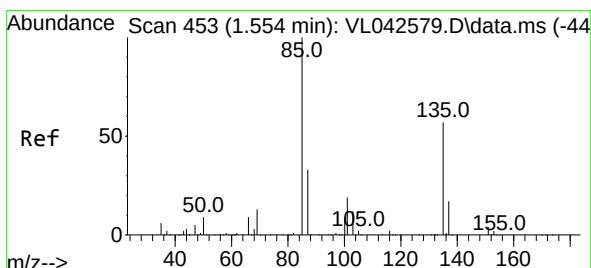
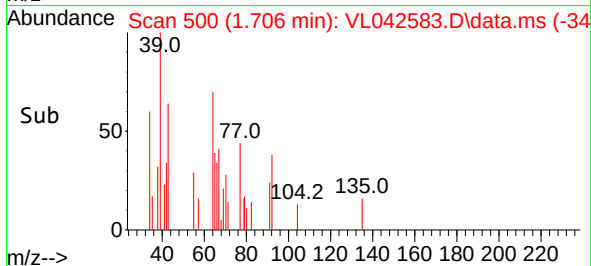
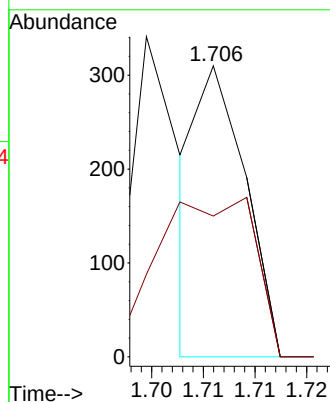
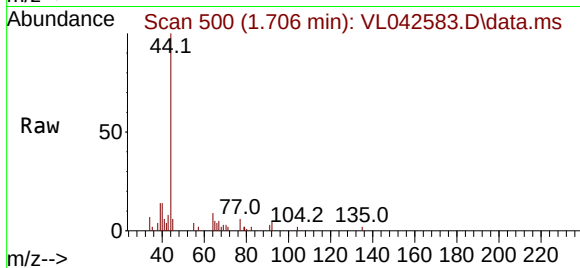




#7  
Chloroethane  
Concen: 0.049 ppbv  
RT: 1.706 min Scan# 500  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

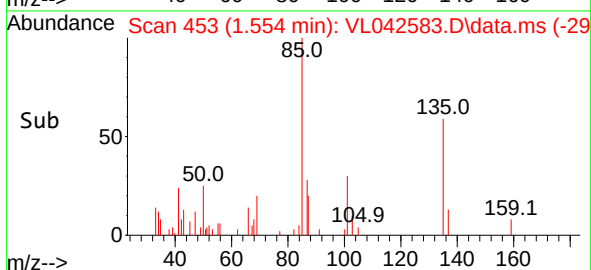
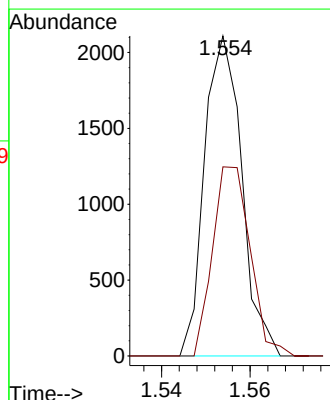
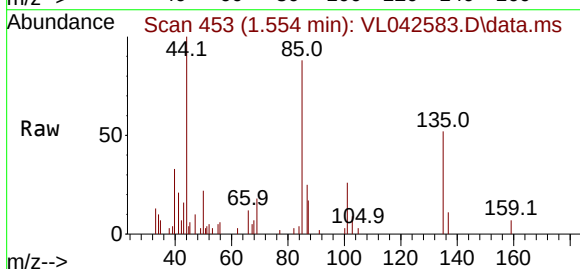
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

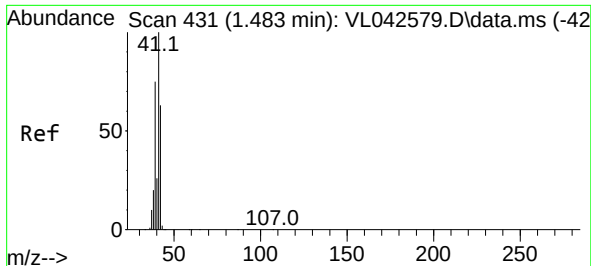
Tgt Ion: 64 Resp: 97  
Ion Ratio Lower Upper  
64 100  
66 48.4 24.3 36.5#



#8  
Dichlorotetrafluoroethane  
Concen: 0.116 ppbv  
RT: 1.554 min Scan# 453  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 85 Resp: 1231  
Ion Ratio Lower Upper  
85 100  
135 59.9 50.2 75.4





#9

Propene

Concen: 0.011 ppbv

RT: 1.127 min Scan# 31

Delta R.T. -0.356 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

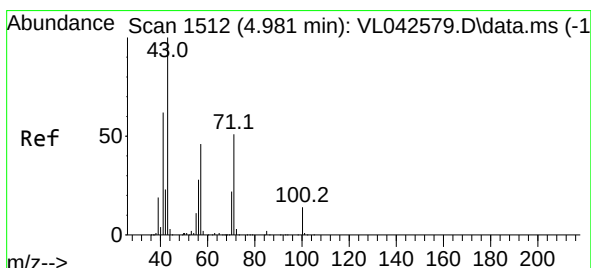
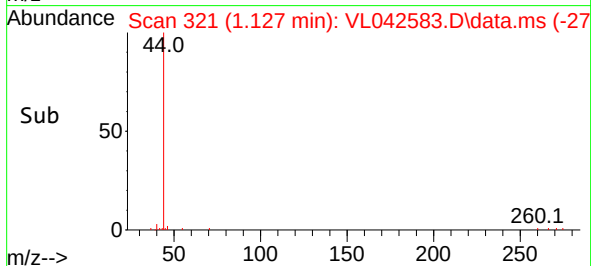
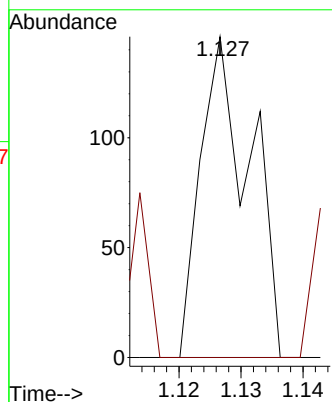
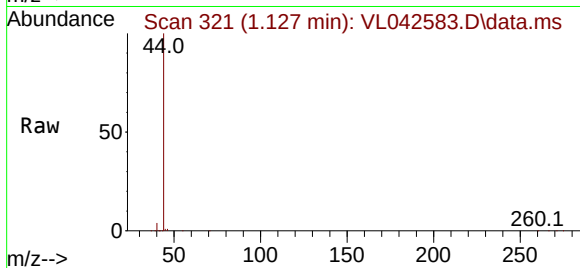
VSTDIC0.1

Tgt Ion: 41 Resp: 81

Ion Ratio Lower Upper

41 100

42 55.6 53.3 79.9



#10

Heptane

Concen: 0.023 ppbv

RT: 4.978 min Scan# 1511

Delta R.T. -0.003 min

Lab File: VL042583.D

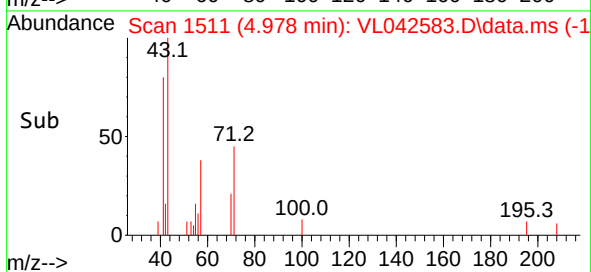
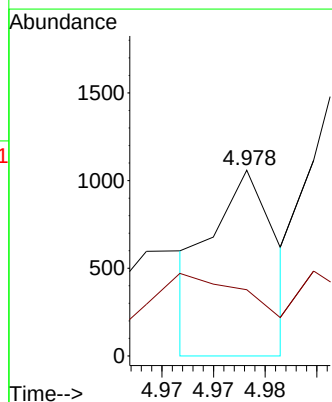
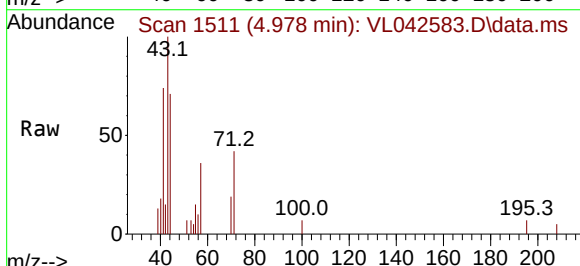
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 458

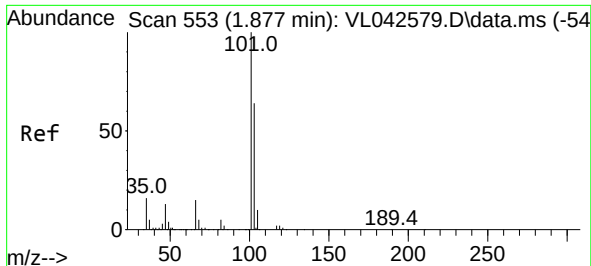
Ion Ratio Lower Upper

43 100

57 0.0 38.9 58.3#



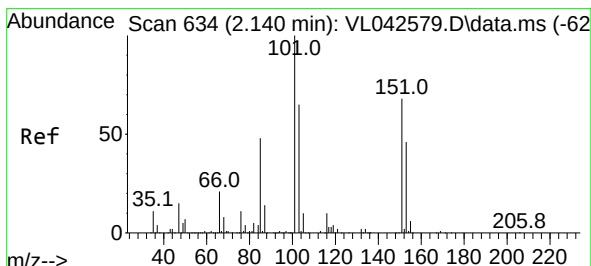
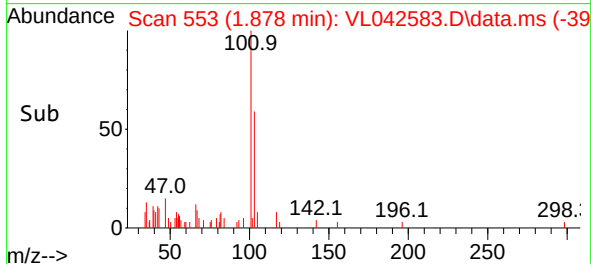
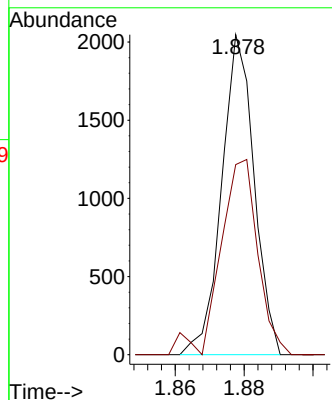
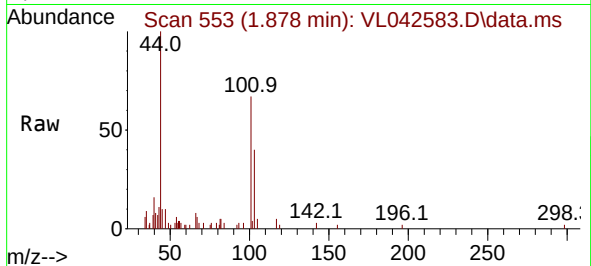




#11  
 Trichlorofluoromethane  
 Concen: 0.113 ppbv  
 RT: 1.878 min Scan# 511  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

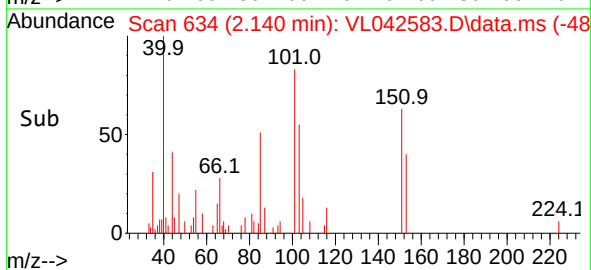
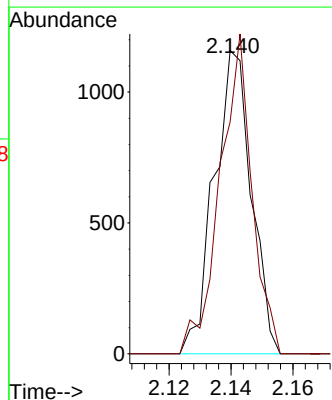
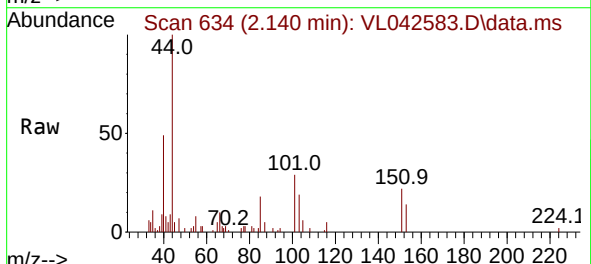
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

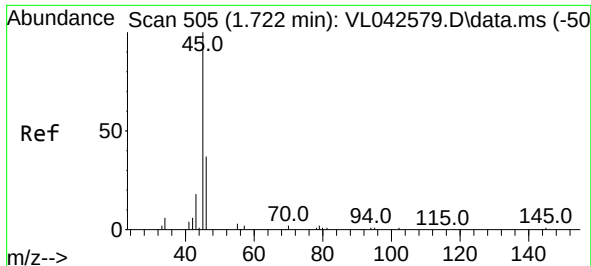
Tgt Ion:101 Resp: 1340  
 Ion Ratio Lower Upper  
 101 100  
 103 52.7 51.5 77.3



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.104 ppbv  
 RT: 2.140 min Scan# 634  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

Tgt Ion:101 Resp: 968  
 Ion Ratio Lower Upper  
 101 100  
 151 90.6 55.3 82.9#

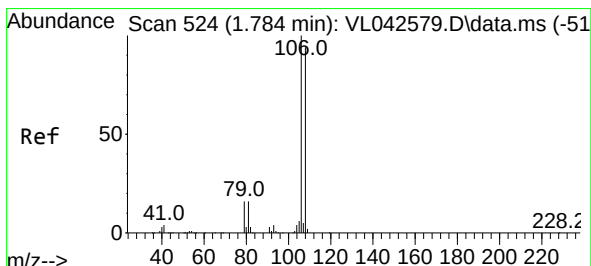
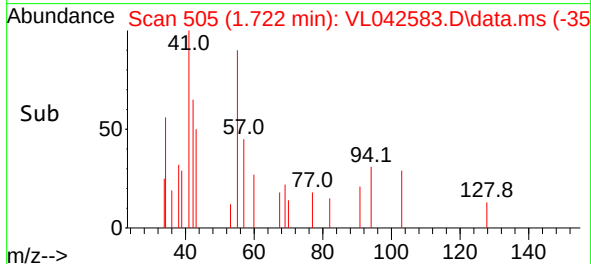
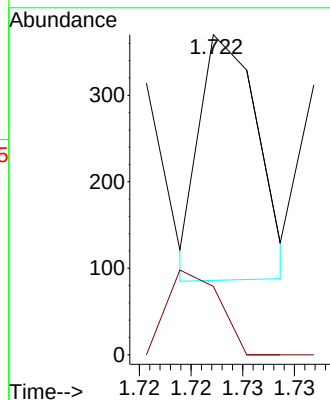
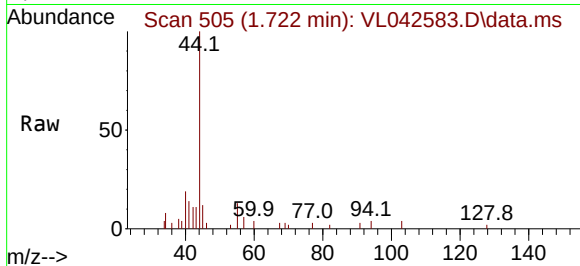




#13  
Ethanol  
Concen: 0.140 ppbv  
RT: 1.722 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

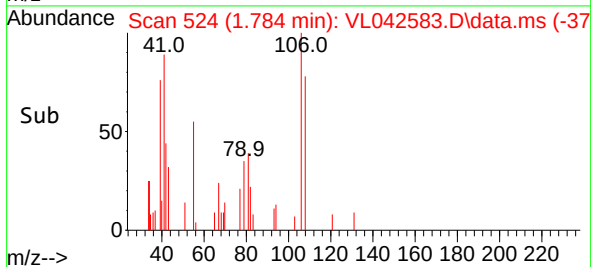
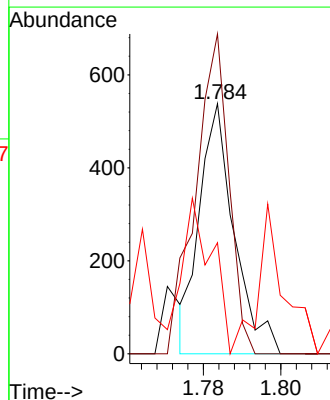
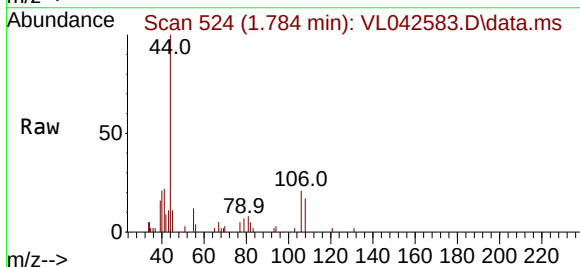
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

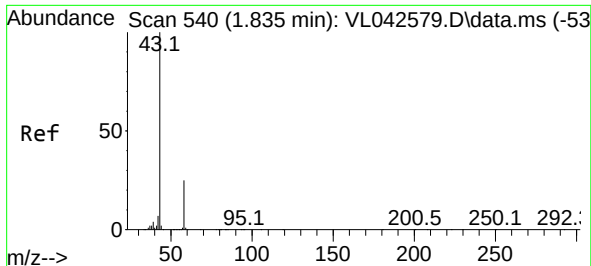
Tgt Ion: 45 Resp: 110  
Ion Ratio Lower Upper  
45 100  
46 53.6 14.5 58.1



#14  
Bromoethene  
Concen: 0.096 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 108 Resp: 334  
Ion Ratio Lower Upper  
108 100  
106 123.1 87.9 131.9  
79 98.2 15.6 23.4





#15

Acetone

Concen: 0.182 ppbv

RT: 1.839 min Scan# 54

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

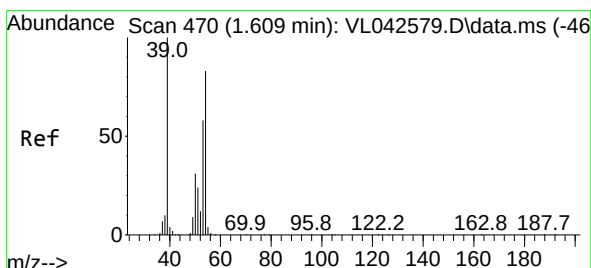
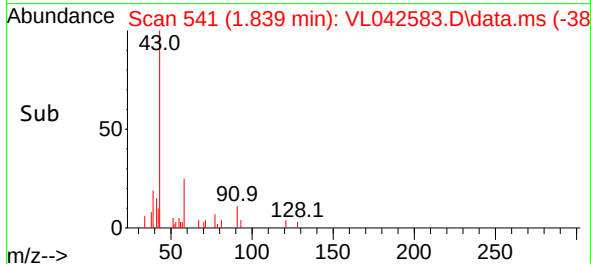
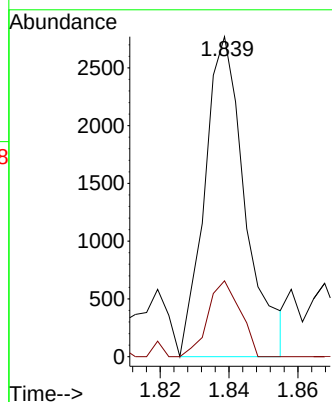
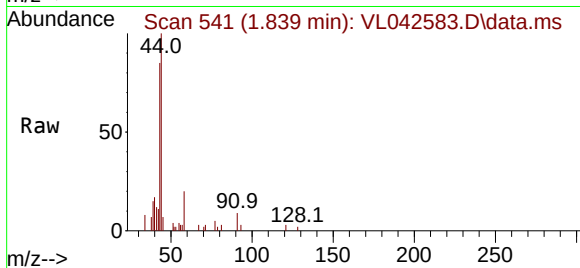
VSTDICC0.1

Tgt Ion: 43 Resp: 2272

Ion Ratio Lower Upper

43 100

58 18.9 21.0 31.4#



#16

1,3-Butadiene

Concen: 0.125 ppbv

RT: 1.609 min Scan# 470

Delta R.T. 0.000 min

Lab File: VL042583.D

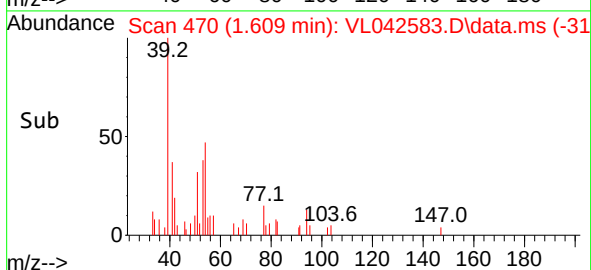
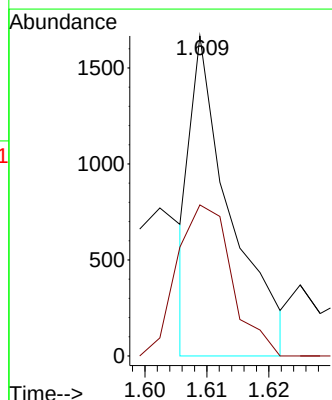
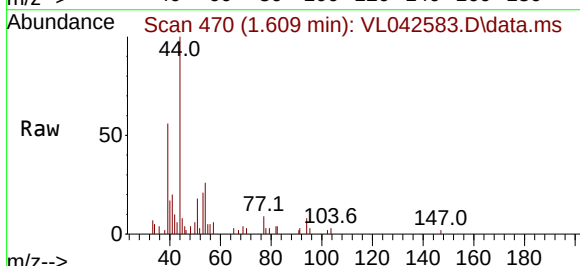
Acq: 29 May 2025 13:19

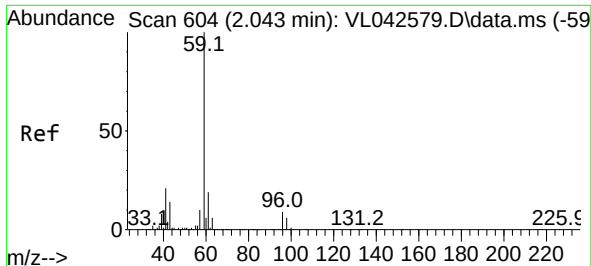
Tgt Ion: 39 Resp: 739

Ion Ratio Lower Upper

39 100

54 70.4 57.9 86.9





#17

tert-Butyl alcohol

Concen: 0.114 ppbv

RT: 2.049 min Scan# 604

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

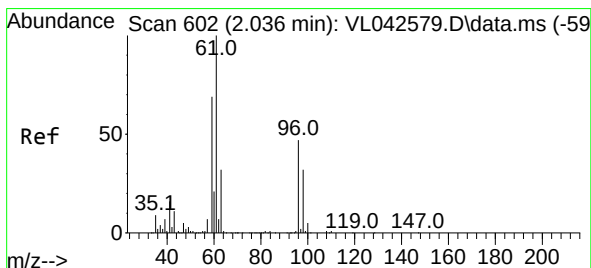
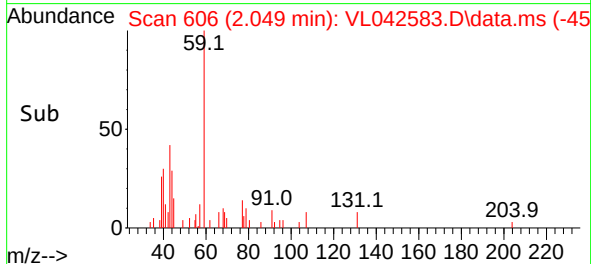
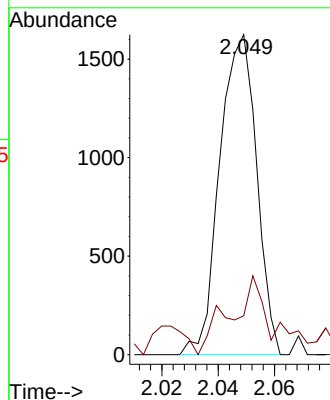
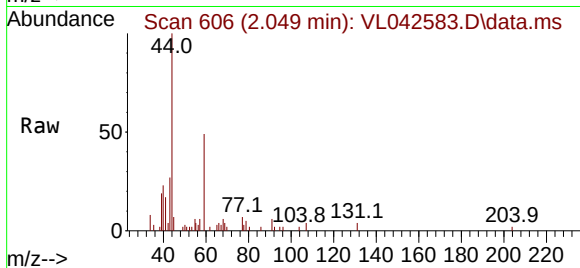
VSTDIC0.1

Tgt Ion: 59 Resp: 1477

Ion Ratio Lower Upper

59 100

57 29.5 8.6 12.8#



#18

1,1-Dichloroethene

Concen: 0.116 ppbv

RT: 2.036 min Scan# 602

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

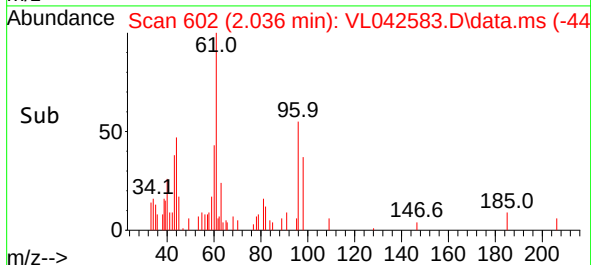
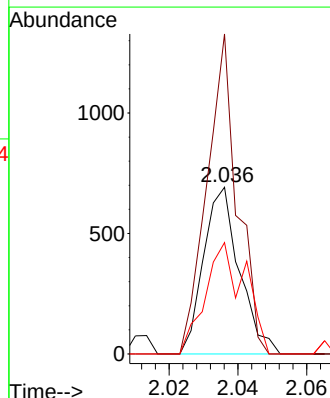
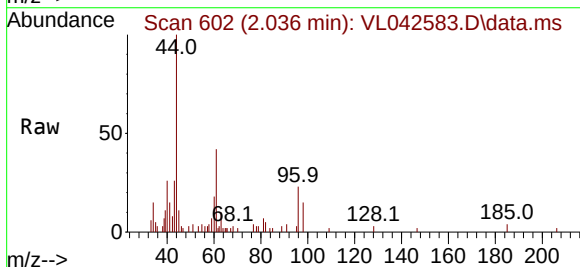
Tgt Ion: 96 Resp: 501

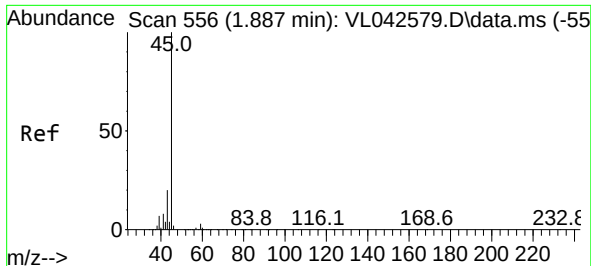
Ion Ratio Lower Upper

96 100

61 191.9 171.1 256.7

98 66.8 54.4 81.6

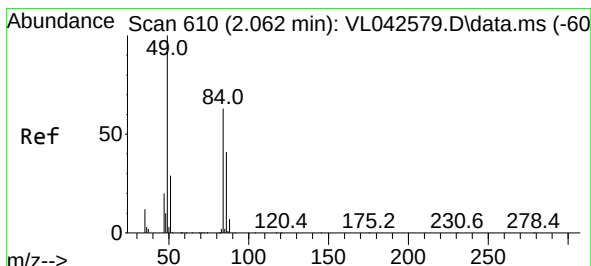
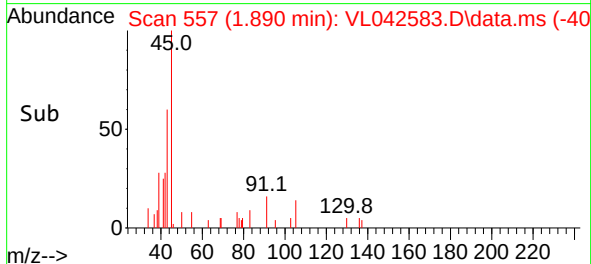
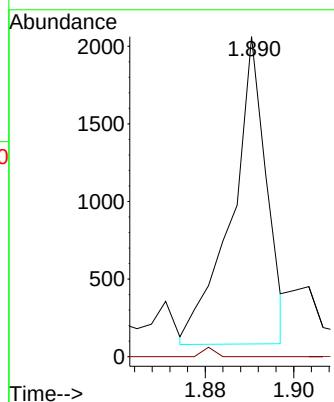
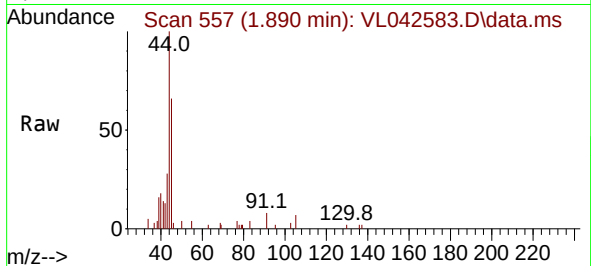




#19  
Isopropyl Alcohol  
Concen: 0.145 ppbv  
RT: 1.890 min Scan# 511  
Delta R.T. 0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

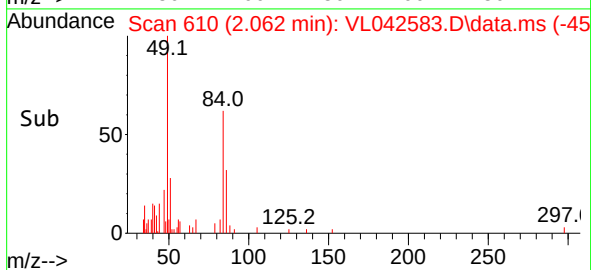
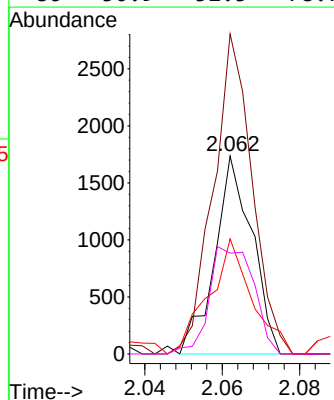
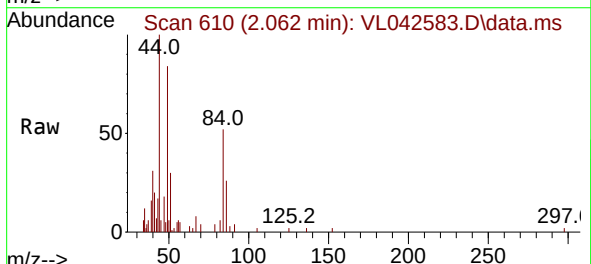
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

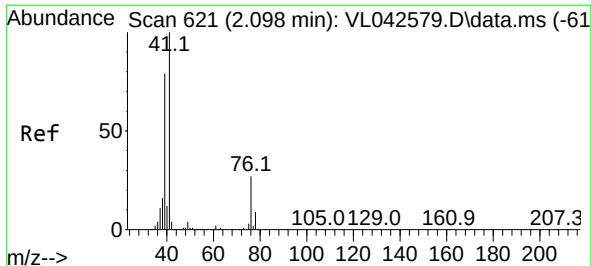
Tgt Ion: 45 Resp: 1079  
Ion Ratio Lower Upper  
45 100  
58 0.0 29.4 44.2#



#20  
Methylene Chloride  
Concen: 0.282 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 84 Resp: 1160  
Ion Ratio Lower Upper  
84 100  
49 157.5 128.8 193.2  
51 54.7 38.6 57.8  
86 50.9 52.5 78.7#

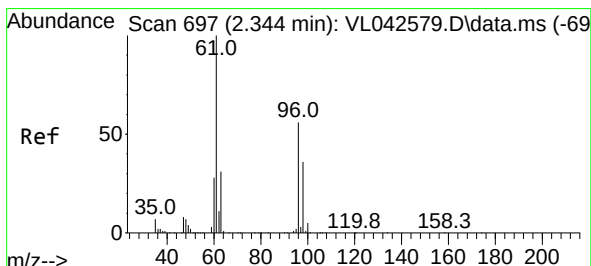
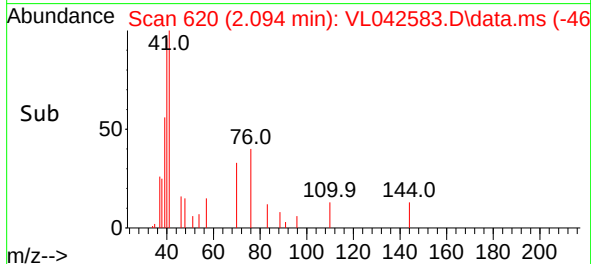
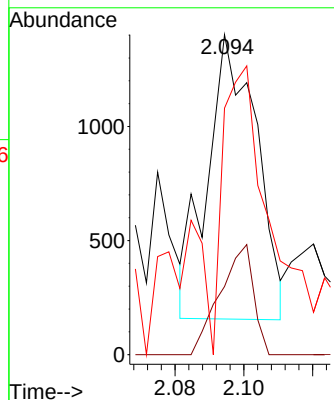
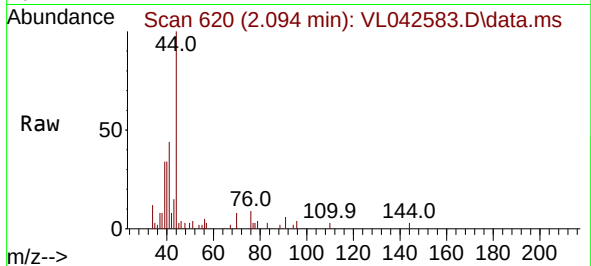




#21  
 Allyl Chloride  
 Concen: 0.141 ppbv  
 RT: 2.094 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

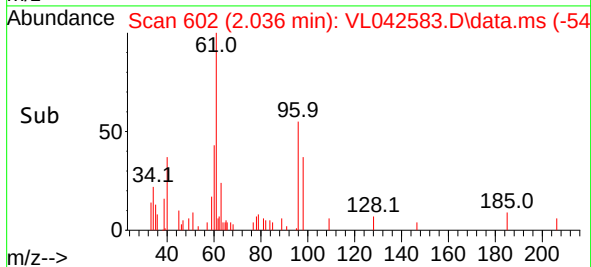
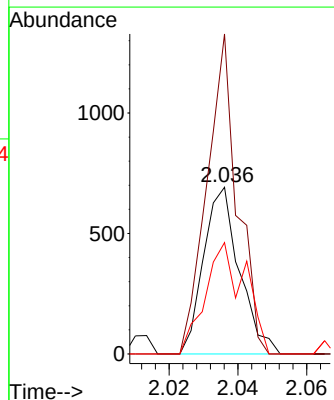
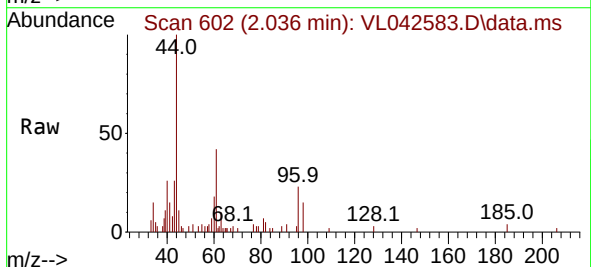
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

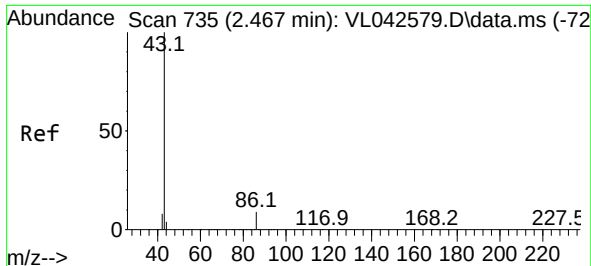
Tgt Ion: 41 Resp: 1240  
 Ion Ratio Lower Upper  
 41 100  
 76 26.3 21.2 31.8  
 39 122.2 60.9 91.3#



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.104 ppbv  
 RT: 2.036 min Scan# 602  
 Delta R.T. -0.307 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

Tgt Ion: 96 Resp: 501  
 Ion Ratio Lower Upper  
 96 100  
 61 191.9 142.6 214.0  
 98 66.8 51.0 76.4

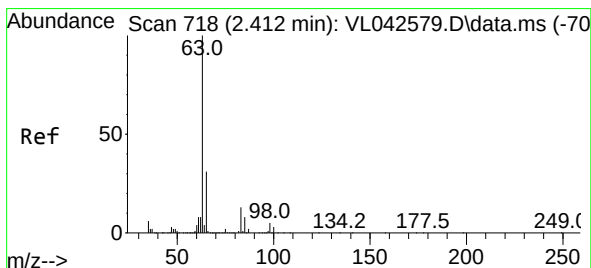
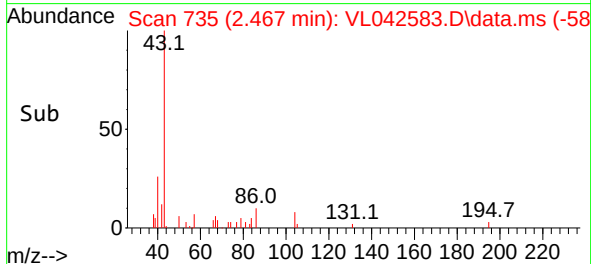
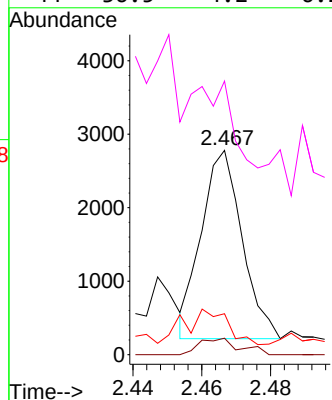
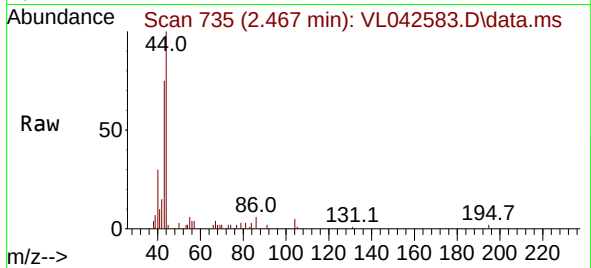




#23  
 Vinyl Acetate  
 Concen: 0.125 ppbv  
 RT: 2.467 min Scan# 718  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

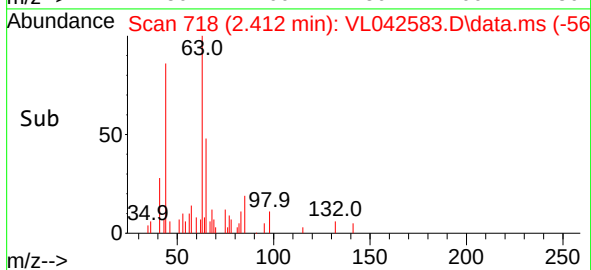
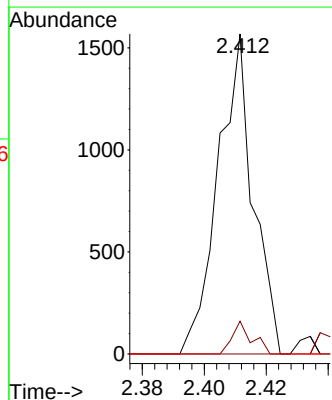
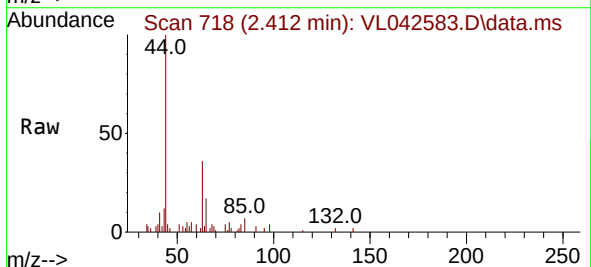
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

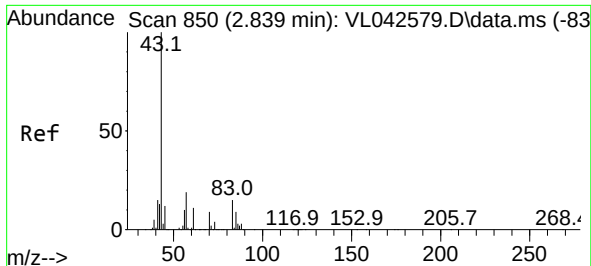
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2108  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 8.8   | 6.6   | 9.8   |
| 42       | 13.7  | 7.0   | 10.4# |
| 44       | 36.5  | 4.2   | 6.2#  |



#24  
 1,1-Dichloroethane  
 Concen: 0.124 ppbv  
 RT: 2.412 min Scan# 718  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 1231  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 98       | 10.3  | 2.4   | 7.1#  |
| 100      | 0.0   | 1.4   | 4.0#  |





#25

Ethyl Acetate

Concen: 0.077 ppbv

RT: 2.849 min Scan# 850

Delta R.T. 0.010 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICC0.1

Tgt Ion: 43 Resp: 2623

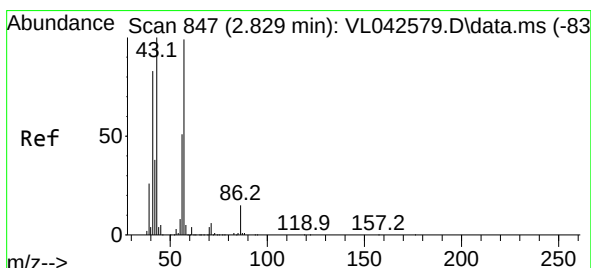
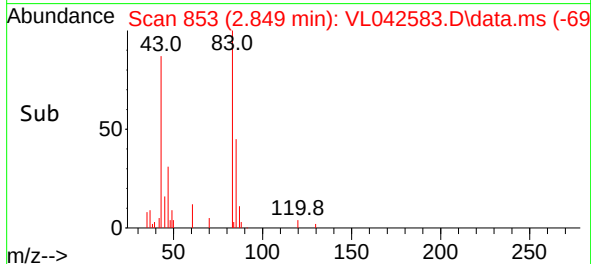
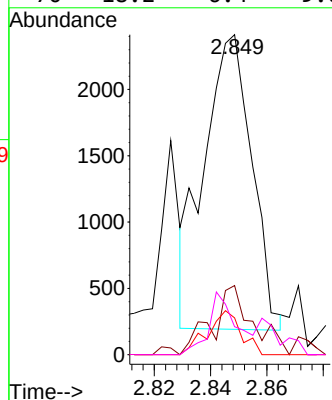
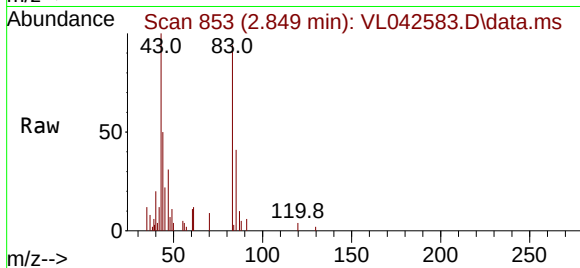
Ion Ratio Lower Upper

43 100

45 23.4 8.2 12.2#

61 10.4 7.1 10.7

70 18.2 6.4 9.6#



#26

Hexane

Concen: 0.117 ppbv

RT: 2.829 min Scan# 847

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 57 Resp: 1816

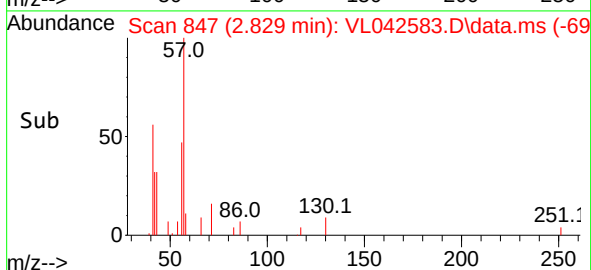
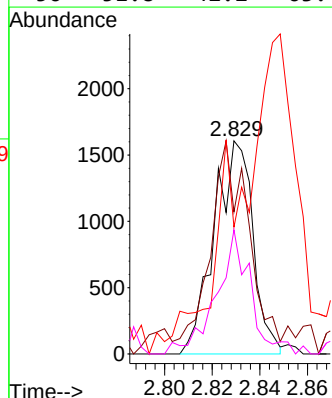
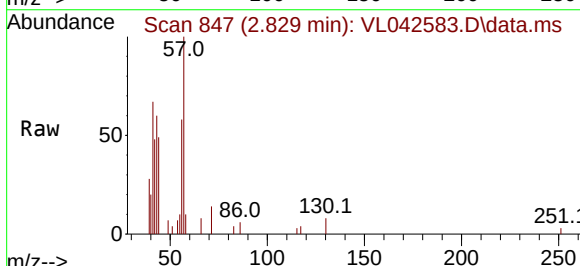
Ion Ratio Lower Upper

57 100

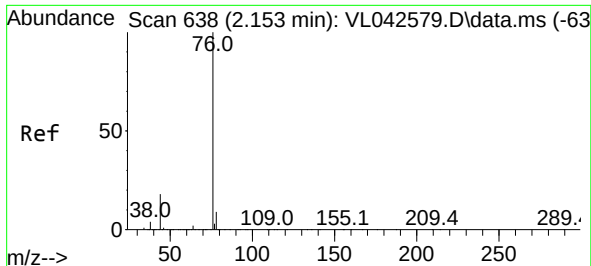
41 115.2 70.6 106.0#

43 0.0 181.1 271.7#

56 51.8 42.2 63.4



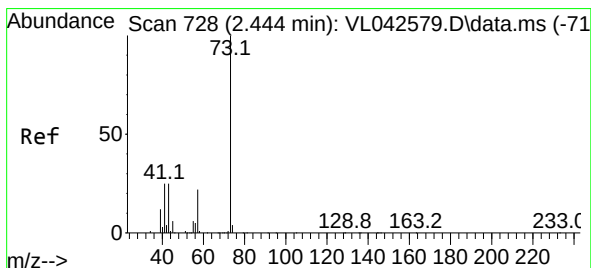
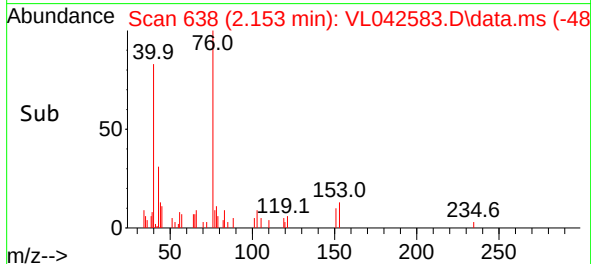
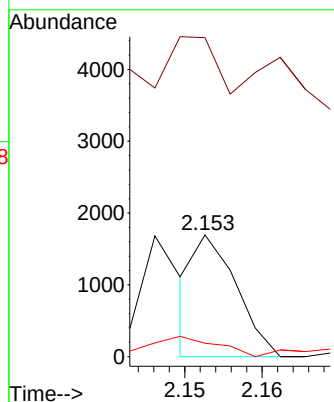
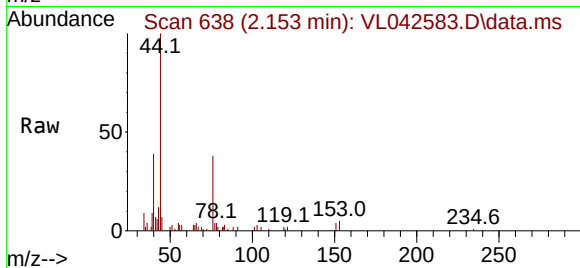




#27  
Carbon Disulfide  
Concen: 0.054 ppbv  
RT: 2.153 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

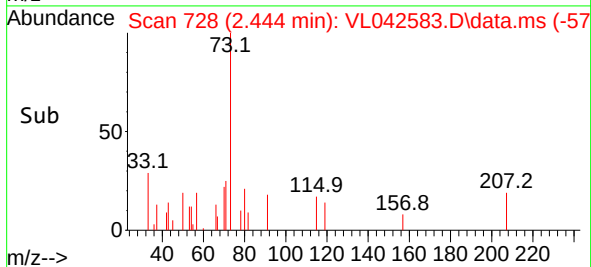
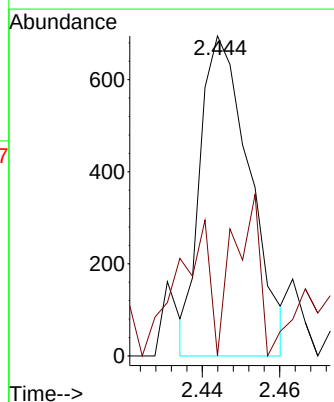
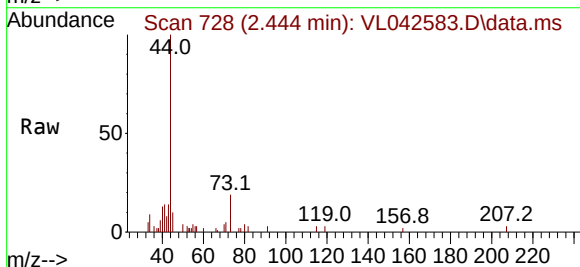
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

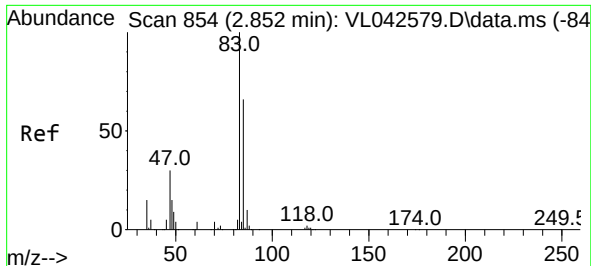
Tgt Ion: 76 Resp: 641  
Ion Ratio Lower Upper  
76 100  
44 623.6 21.3 31.9#  
78 55.7 9.4 14.0#



#28  
Methyl tert-Butyl Ether  
Concen: 0.098 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 73 Resp: 614  
Ion Ratio Lower Upper  
73 100  
57 0.0 19.9 29.9#





#29

Chloroform

Concen: 0.114 ppbv

RT: 2.849 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

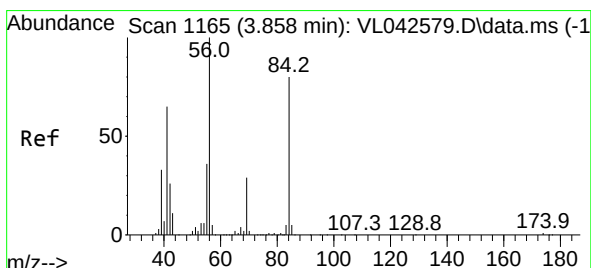
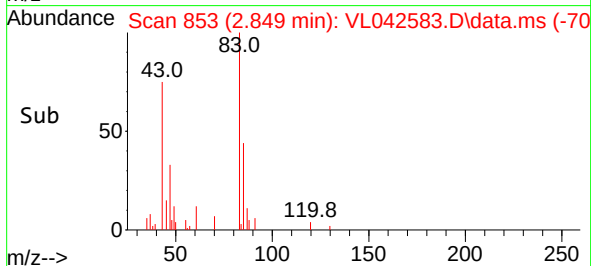
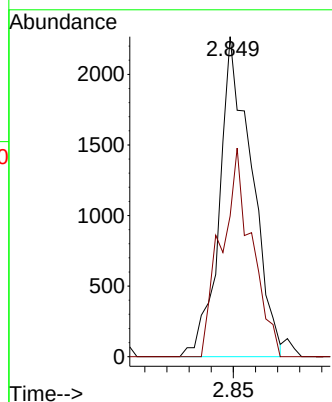
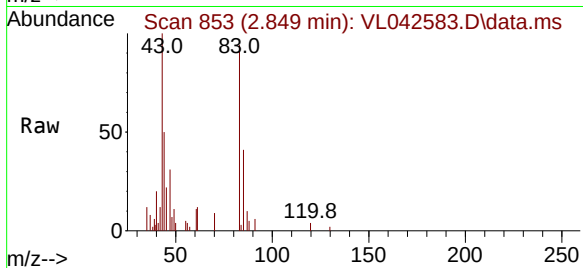
VSTDIC0.1

Tgt Ion: 83 Resp: 2298

Ion Ratio Lower Upper

83 100

85 43.9 52.8 79.2#



#30

Cyclohexane

Concen: 0.058 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

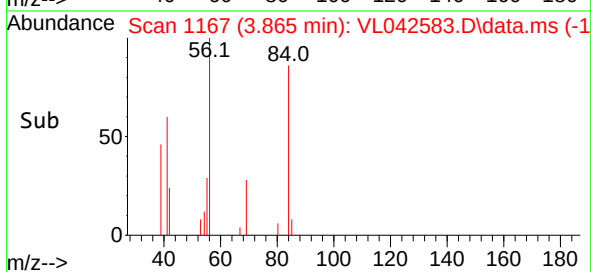
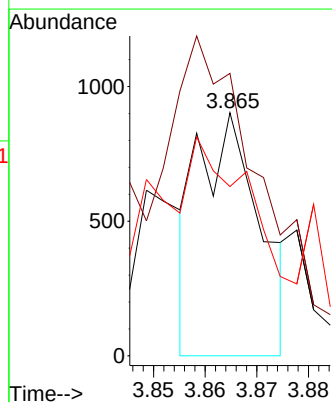
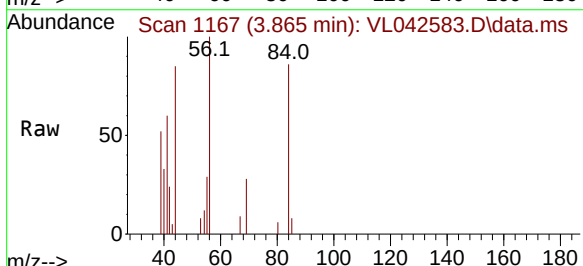
Tgt Ion: 84 Resp: 743

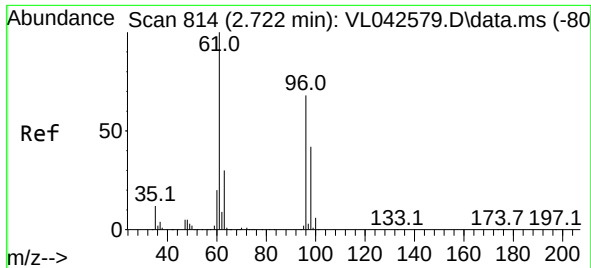
Ion Ratio Lower Upper

84 100

56 253.6 103.7 155.5#

41 265.9 65.1 97.7#

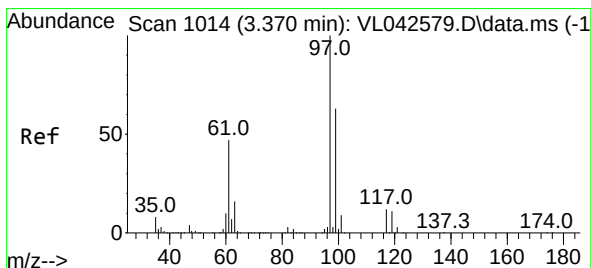
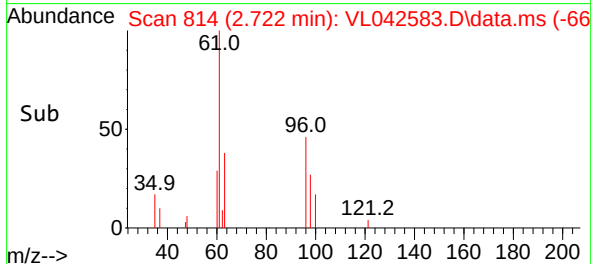
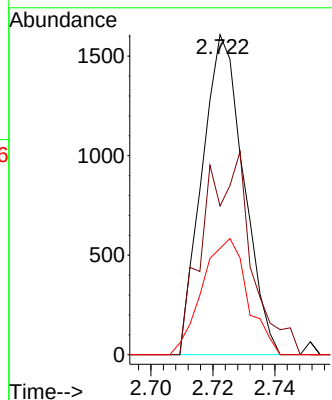
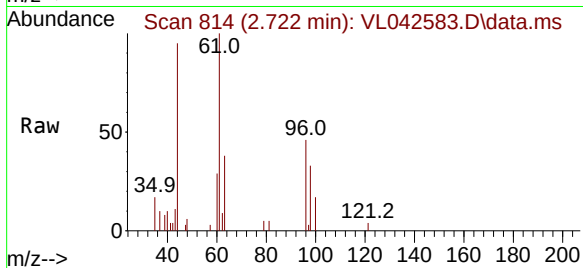




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.106 ppbv  
 RT: 2.722 min Scan# 814  
 Delta R.T. 0.000 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

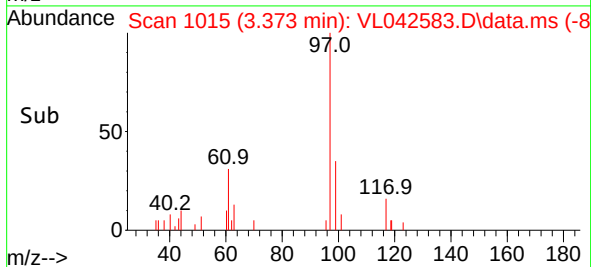
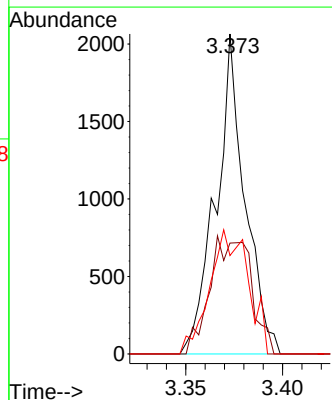
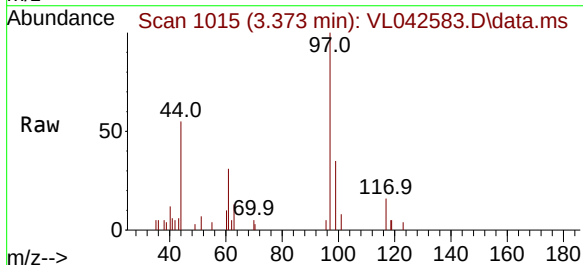
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.1

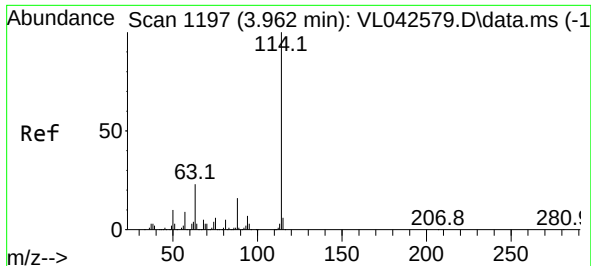
Tgt Ion: 61 Resp: 1499  
 Ion Ratio Lower Upper  
 61 100  
 96 46.5 54.5 81.7#  
 98 33.2 33.4 50.2#



#32  
 1,1,1-Trichloroethane  
 Concen: 0.107 ppbv  
 RT: 3.373 min Scan# 1015  
 Delta R.T. 0.003 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

Tgt Ion: 97 Resp: 2153  
 Ion Ratio Lower Upper  
 97 100  
 99 52.2 51.0 76.6  
 61 51.3 39.4 59.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

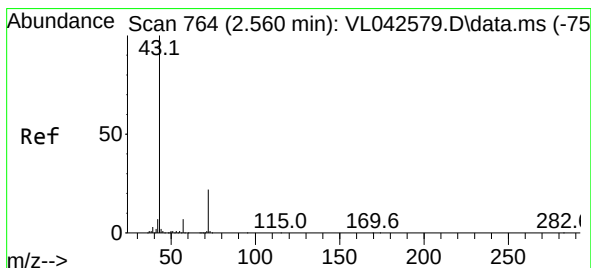
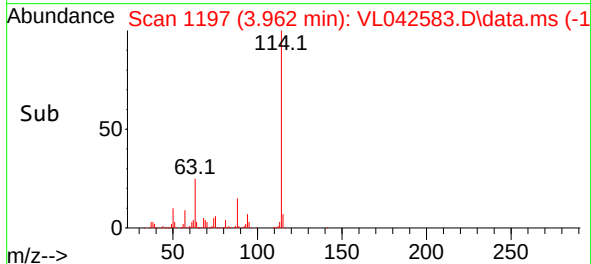
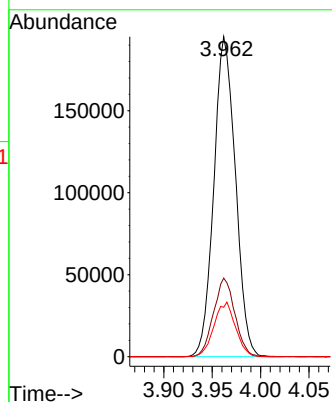
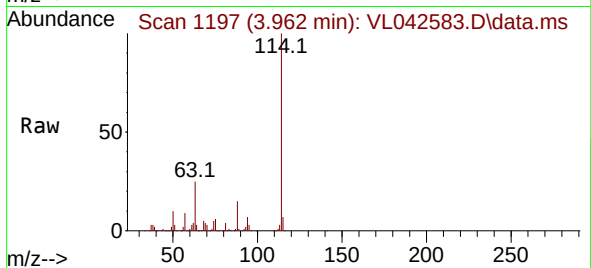
Tgt Ion:114 Resp: 302218

Ion Ratio Lower Upper

114 100

63 24.3 19.0 28.6

88 17.0 13.6 20.4



#34

2-Butanone

Concen: 0.144 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.006 min

Lab File: VL042583.D

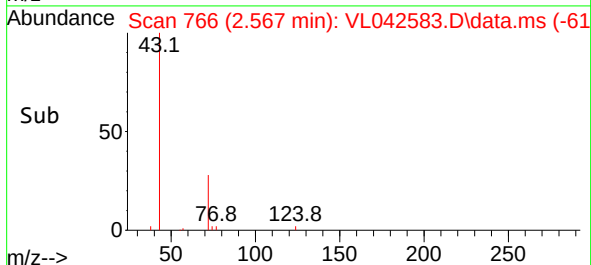
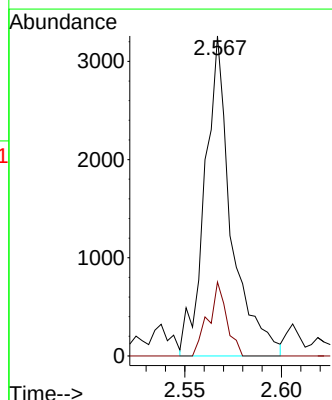
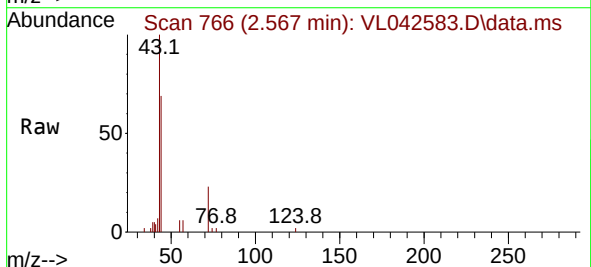
Acq: 29 May 2025 13:19

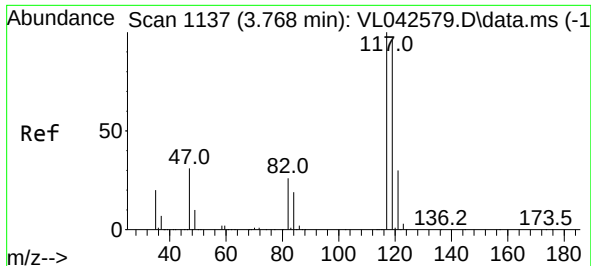
Tgt Ion: 43 Resp: 3113

Ion Ratio Lower Upper

43 100

72 15.9 17.7 26.5#

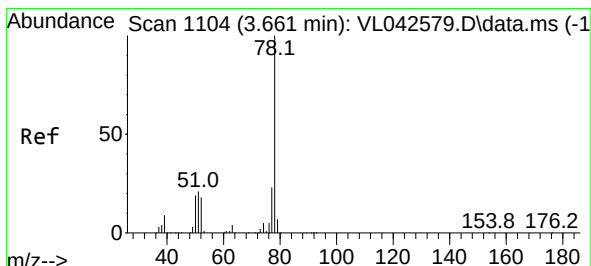
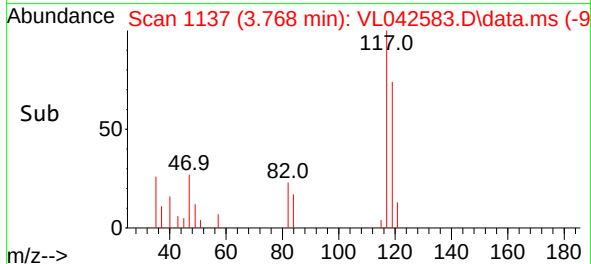
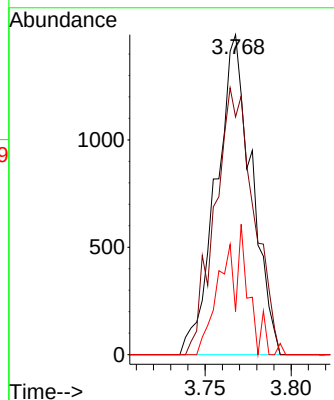
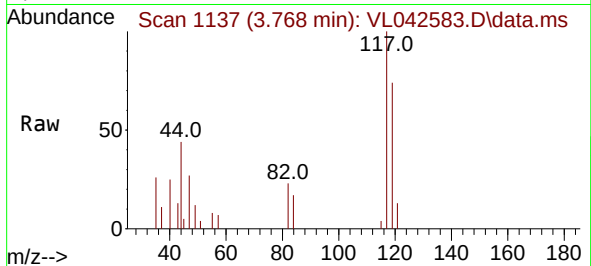




#35  
Carbon Tetrachloride  
Concen: 0.107 ppbv  
RT: 3.768 min Scan# 1137  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

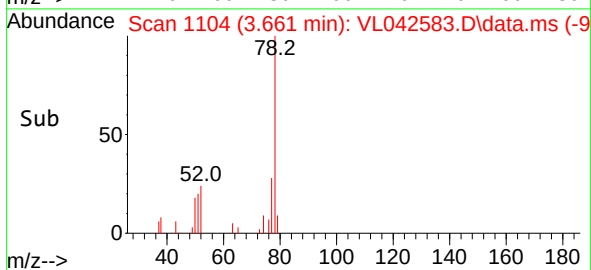
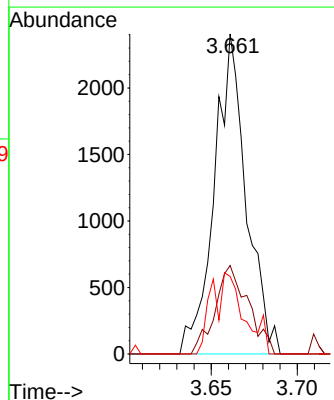
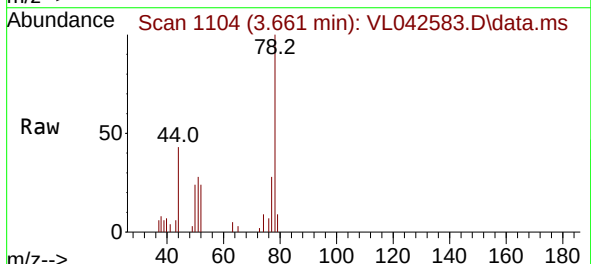
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1

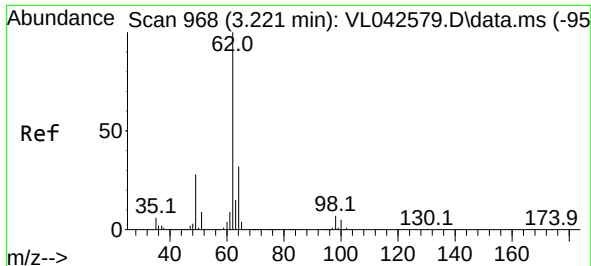
Tgt Ion:117 Resp: 2135  
Ion Ratio Lower Upper  
117 100  
119 74.3 76.8 115.2#  
121 13.5 24.3 36.5#



#36  
Benzene  
Concen: 0.104 ppbv  
RT: 3.661 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 78 Resp: 3109  
Ion Ratio Lower Upper  
78 100  
77 27.6 18.2 27.2#  
50 24.2 15.2 22.8#

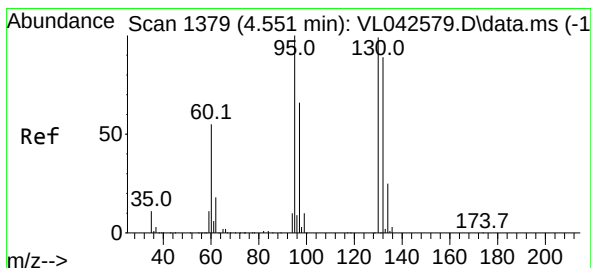
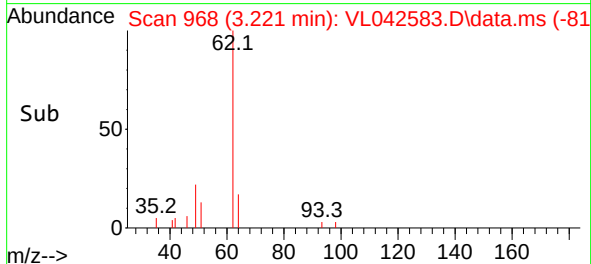
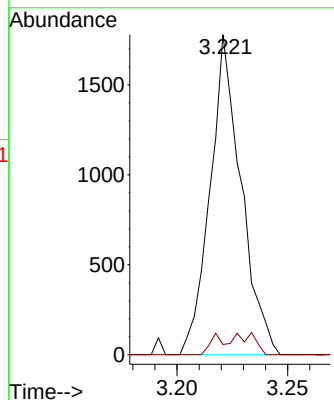
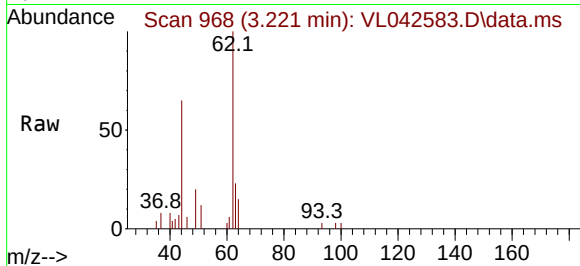




#37  
1,2-Dichloroethane  
Concen: 0.117 ppbv  
RT: 3.221 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

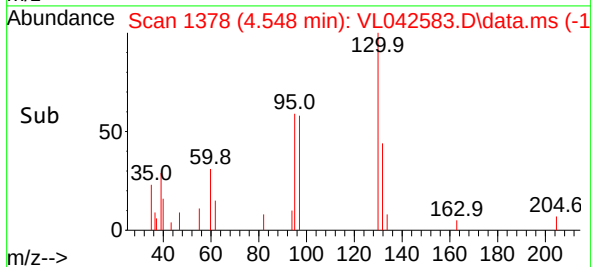
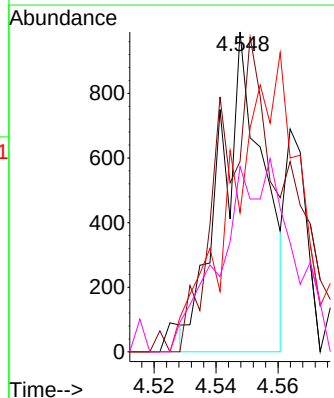
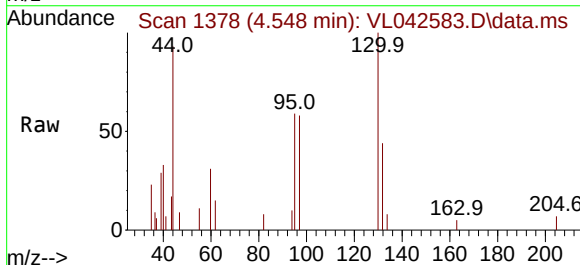
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

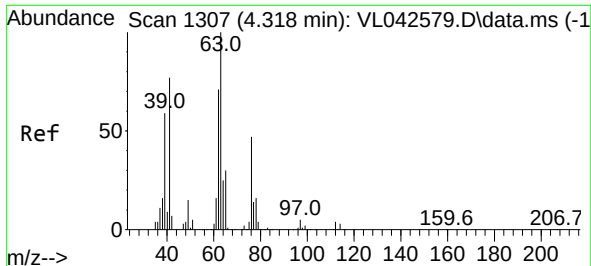
Tgt Ion: 62 Resp: 1731  
Ion Ratio Lower Upper  
62 100  
98 7.4 6.1 9.1



#38  
Trichloroethene  
Concen: 0.076 ppbv  
RT: 4.548 min Scan# 1378  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 130 Resp: 963  
Ion Ratio Lower Upper  
130 100  
95 64.9 80.6 121.0#  
132 35.8 71.8 107.6#  
97 53.0 53.0 79.4





#39

1,2-Dichloropropane

Concen: 6.683 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.356 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

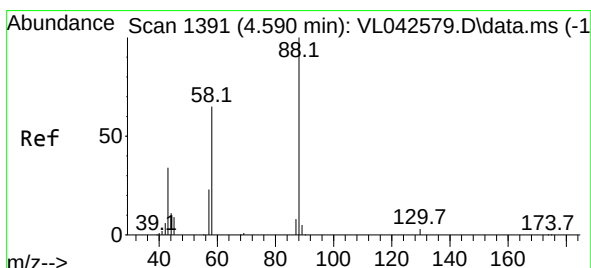
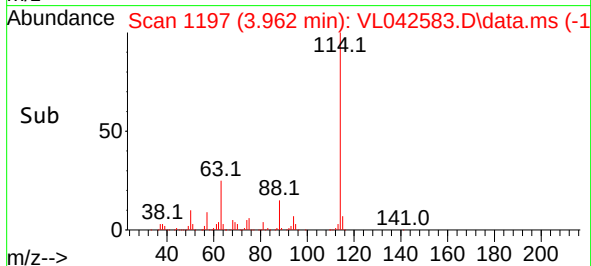
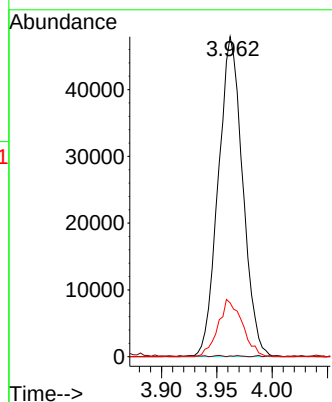
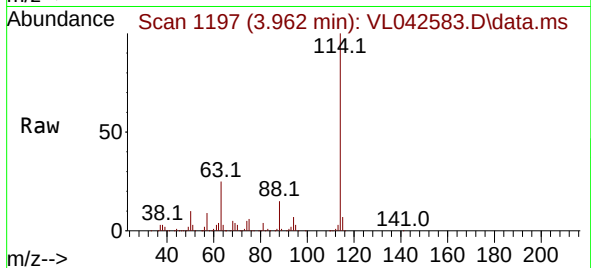
Tgt Ion: 63 Resp: 73521

Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 16.8 56.6 85.0#



#40

1,4-Dioxane

Concen: 0.016 ppbv

RT: 4.612 min Scan# 1398

Delta R.T. 0.023 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion: 88 Resp: 74

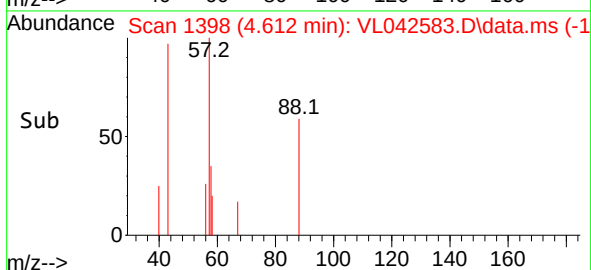
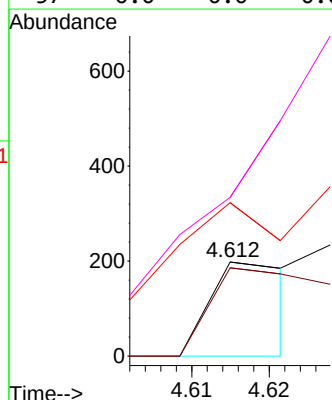
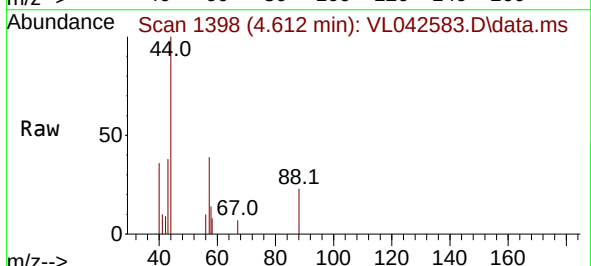
Ion Ratio Lower Upper

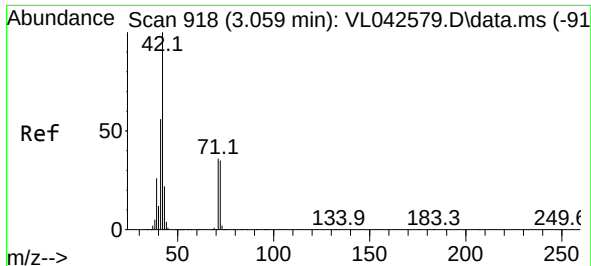
88 100

58 0.0 55.8 83.8#

43 500.0 24.8 37.2#

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.115 ppbv

RT: 3.072 min Scan# 918

Delta R.T. 0.013 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

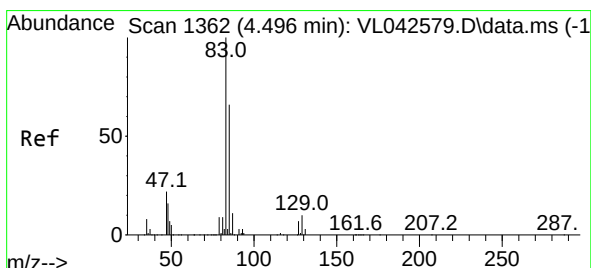
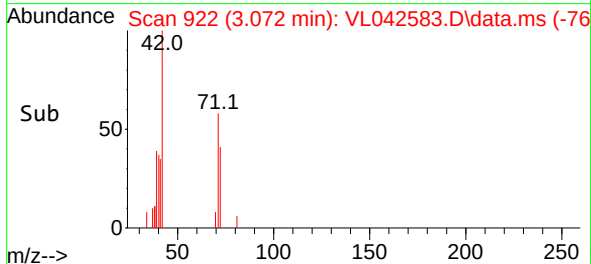
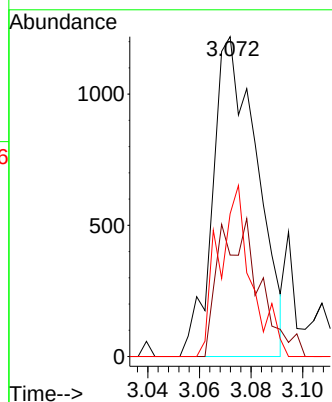
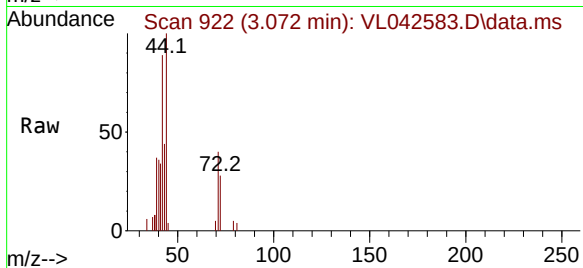
Tgt Ion: 42 Resp: 1452

Ion Ratio Lower Upper

42 100

72 39.5 28.9 43.3

71 39.7 28.5 42.7



#42

Bromodichloromethane

Concen: 0.087 ppbv

RT: 4.496 min Scan# 1362

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

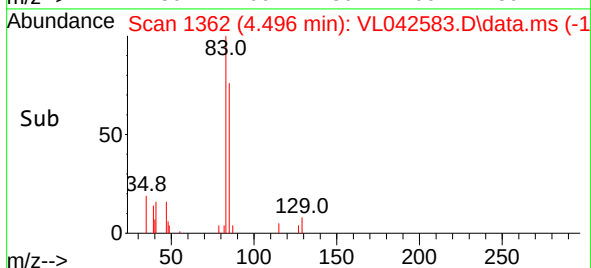
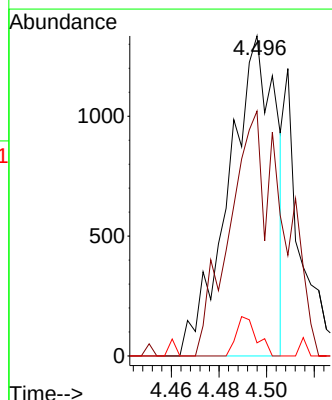
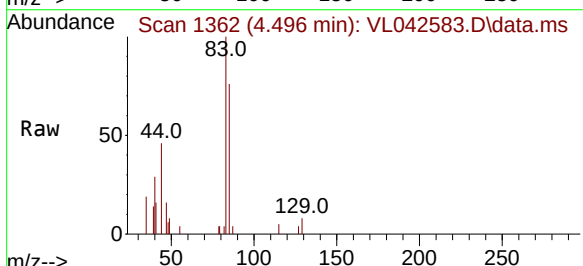
Tgt Ion: 83 Resp: 1835

Ion Ratio Lower Upper

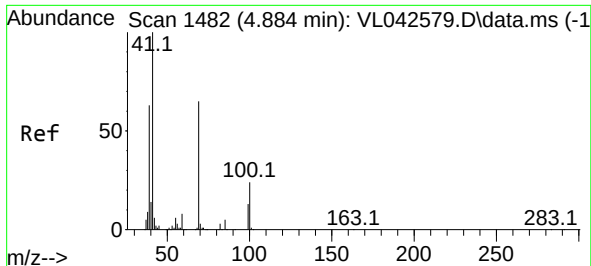
83 100

85 76.5 52.7 79.1

127 4.1 5.8 8.6#







#43

Methyl Methacrylate

Concen: 0.059 ppbv

RT: 4.891 min Scan# 1484

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

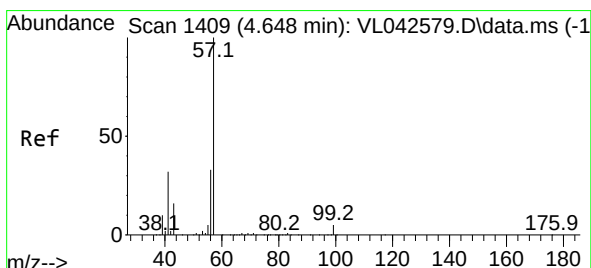
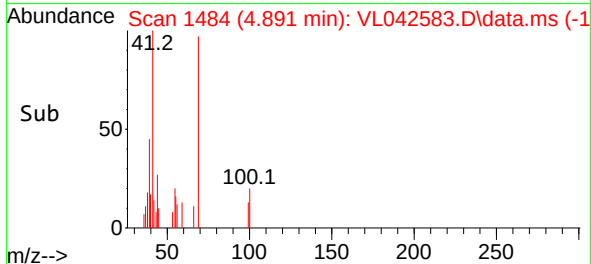
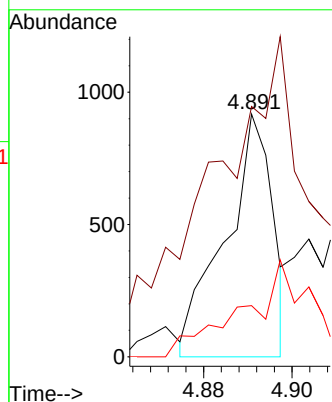
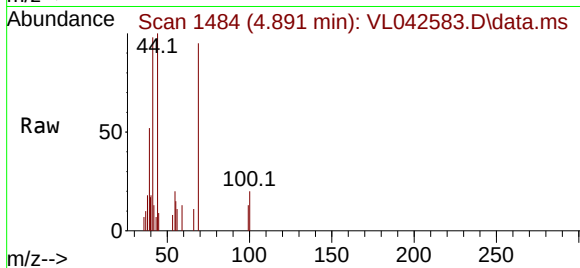
Tgt Ion: 69 Resp: 685

Ion Ratio Lower Upper

69 100

41 0.0 124.6 187.0#

100 0.0 29.9 44.9#



#44

2,2,4-Trimethylpentane

Concen: 0.061 ppbv

RT: 4.651 min Scan# 1410

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

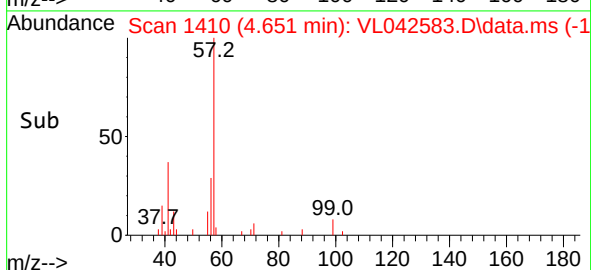
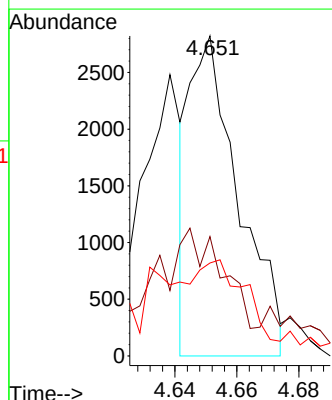
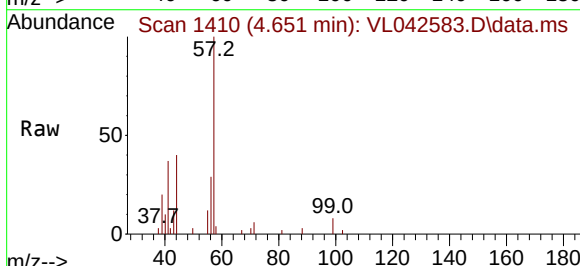
Tgt Ion: 57 Resp: 3117

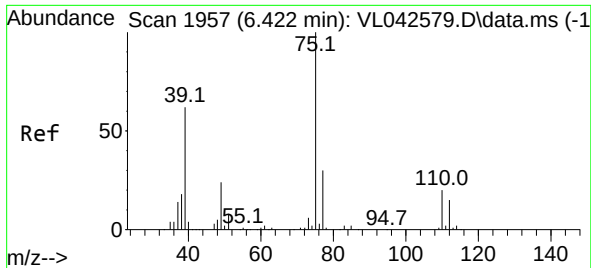
Ion Ratio Lower Upper

57 100

41 85.0 26.1 39.1#

56 65.4 25.9 38.9#

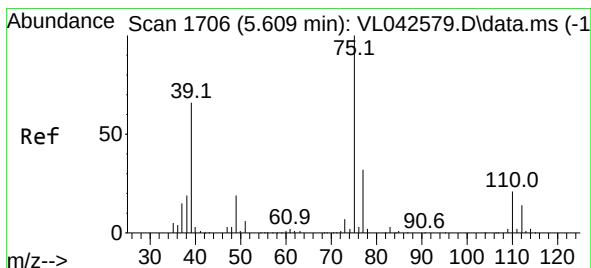
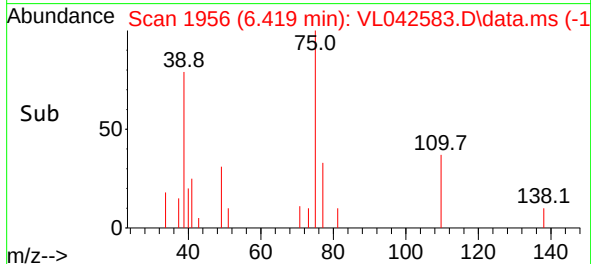
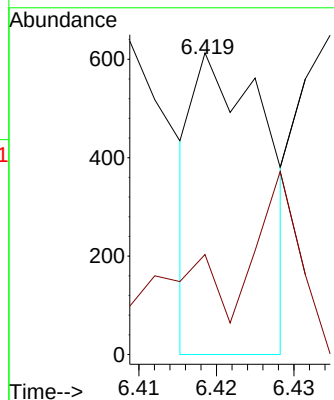
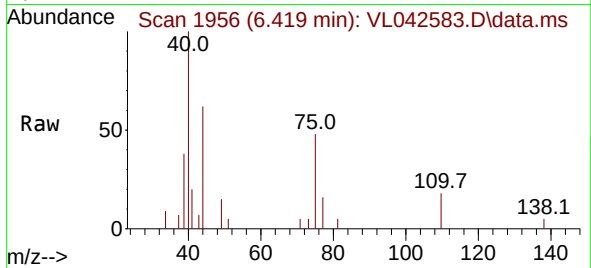




#45  
t-1,3-Dichloropropene  
Concen: 0.030 ppbv  
RT: 6.419 min Scan# 1956  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

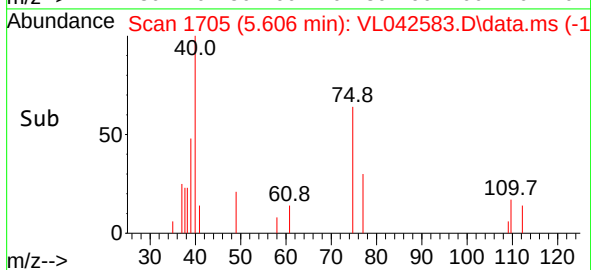
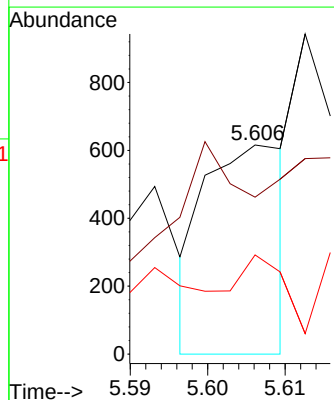
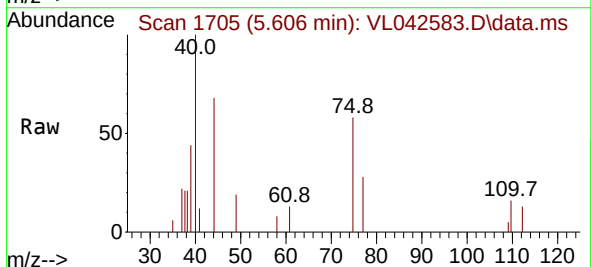
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

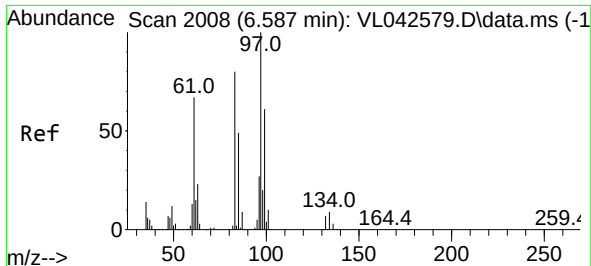
Tgt Ion: 75 Resp: 397  
Ion Ratio Lower Upper  
75 100  
77 33.1 24.2 36.2



#46  
cis-1,3-Dichloropropene  
Concen: 0.027 ppbv  
RT: 5.606 min Scan# 1705  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 75 Resp: 449  
Ion Ratio Lower Upper  
75 100  
39 17.9 52.7 79.1#  
77 27.6 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 0.069 ppbv

RT: 6.590 min Scan# 2008

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

Tgt Ion: 97 Resp: 786

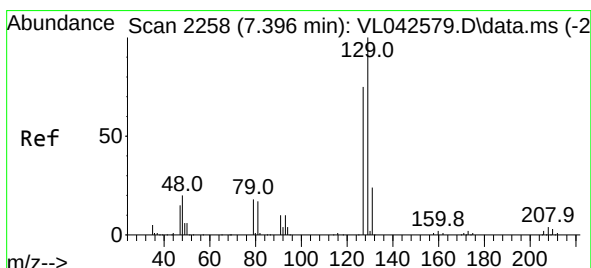
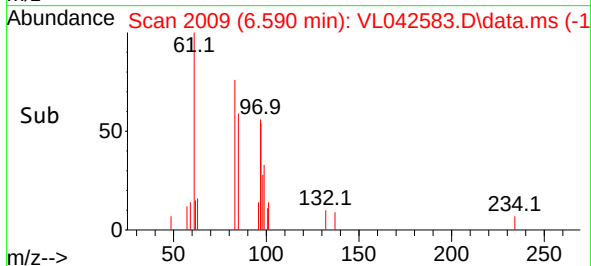
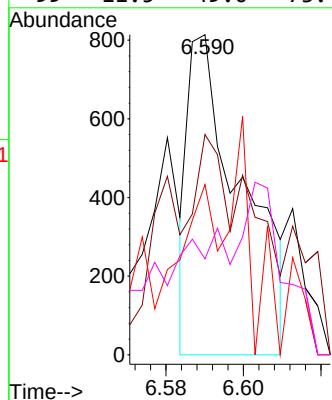
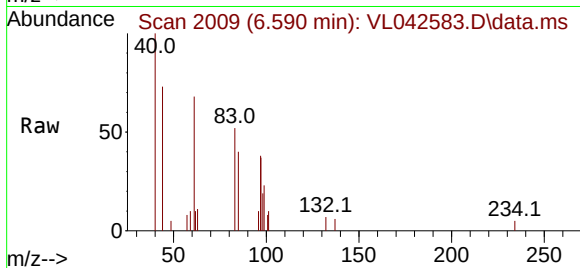
Ion Ratio Lower Upper

97 100

83 68.9 63.9 95.9

85 83.1 39.2 58.8#

99 11.5 49.0 73.4#



#48

Dibromochloromethane

Concen: 0.094 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. -0.003 min

Lab File: VL042583.D

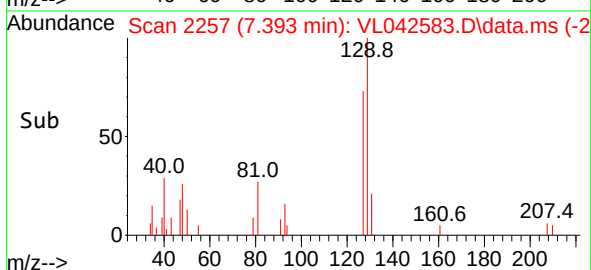
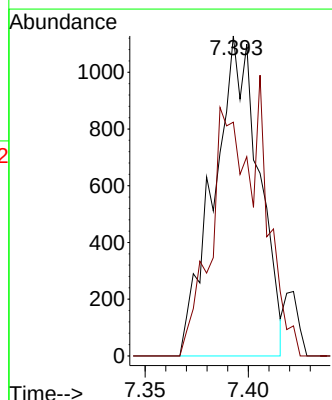
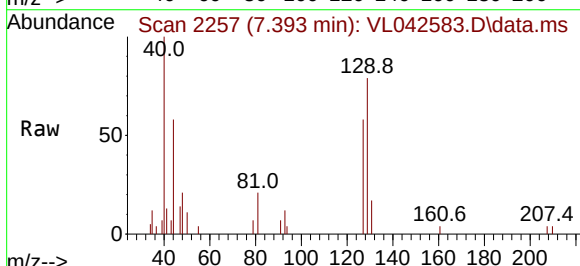
Acq: 29 May 2025 13:19

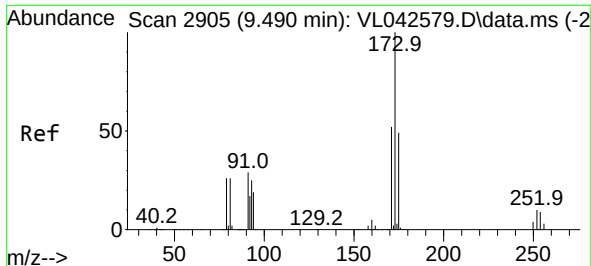
Tgt Ion: 129 Resp: 1718

Ion Ratio Lower Upper

129 100

127 89.2 39.0 116.9

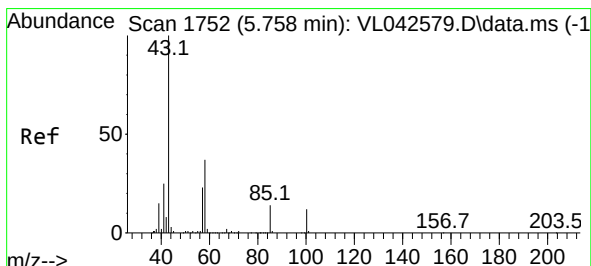
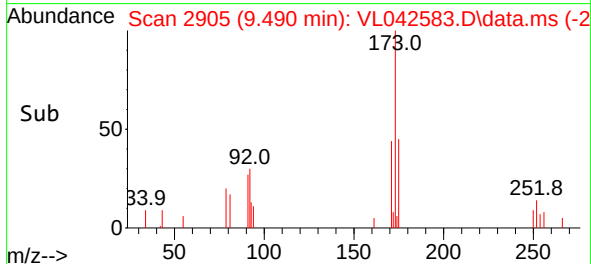
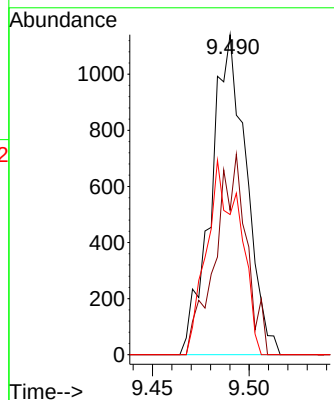
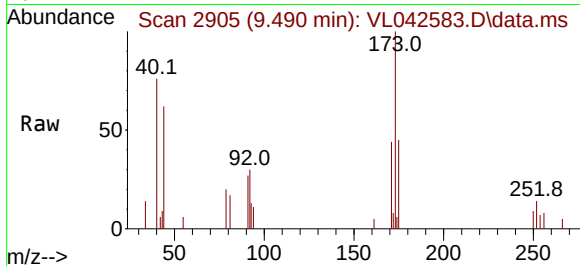




#49  
Bromoform  
Concen: 0.092 ppbv  
RT: 9.490 min Scan# 2905  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

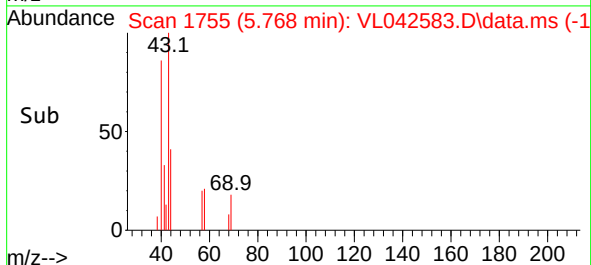
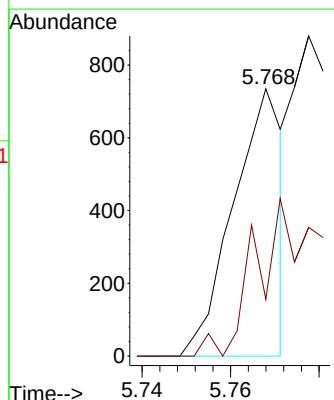
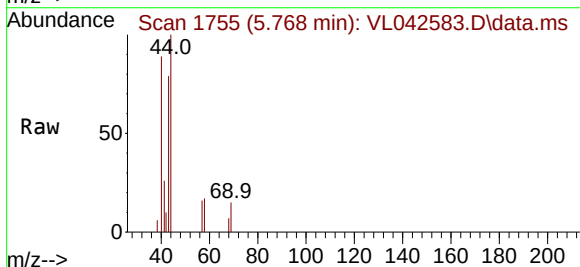
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.1

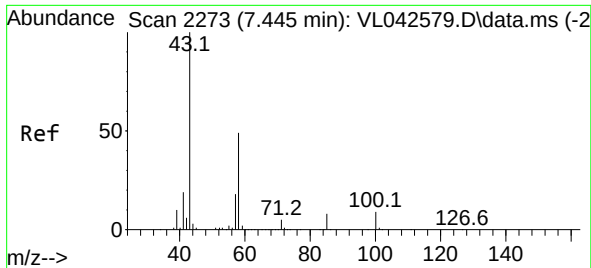
Tgt Ion:173 Resp: 1444  
Ion Ratio Lower Upper  
173 100  
175 55.7 38.7 58.1  
171 56.9 41.2 61.8



#50  
4-Methyl-2-Pentanone  
Concen: 0.019 ppbv  
RT: 5.768 min Scan# 1755  
Delta R.T. 0.010 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 43 Resp: 563  
Ion Ratio Lower Upper  
43 100  
58 74.4 28.3 42.5#

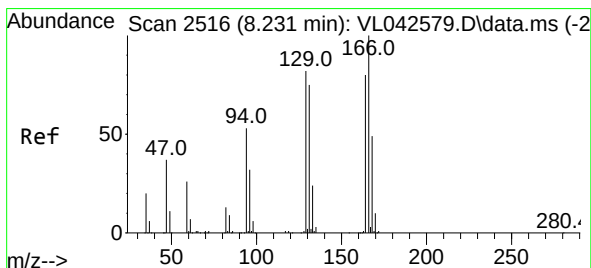
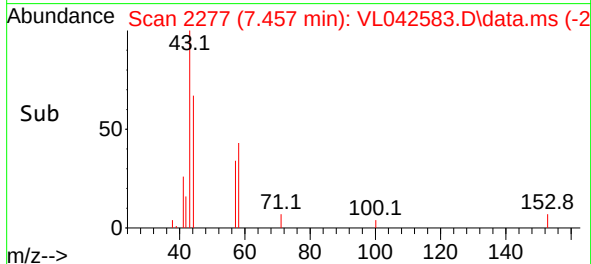
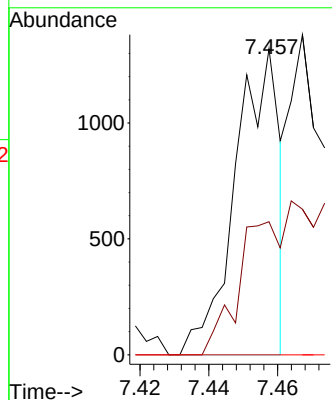
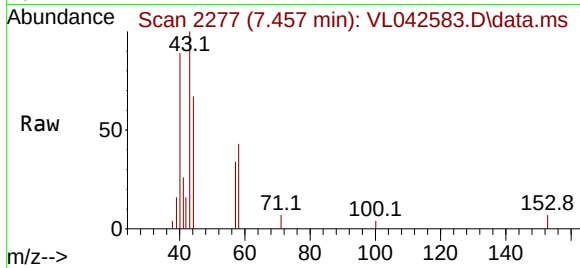




#51  
2-Hexanone  
Concen: 0.049 ppbv  
RT: 7.457 min Scan# 2117  
Delta R.T. 0.013 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

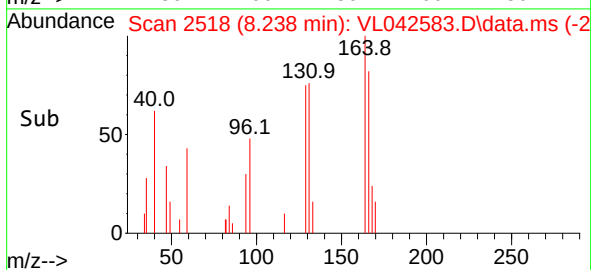
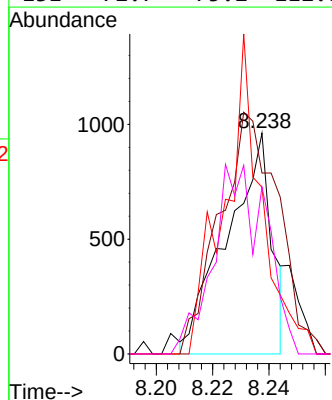
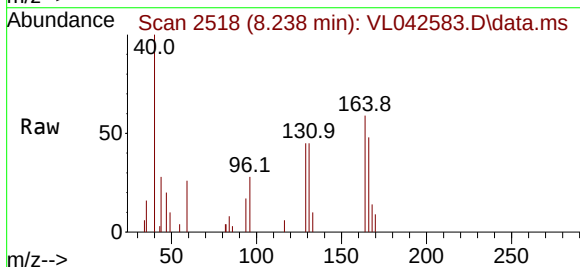
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.1

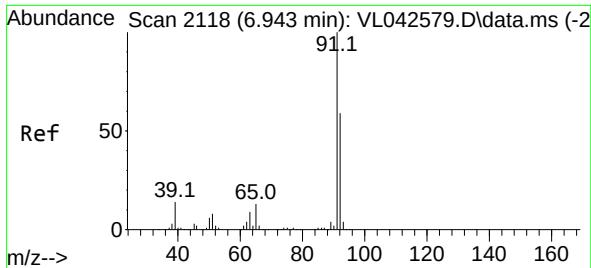
Tgt Ion: 43 Resp: 1172  
Ion Ratio Lower Upper  
43 100  
58 0.0 39.9 59.9#  
98 0.0 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.095 ppbv  
RT: 8.238 min Scan# 2518  
Delta R.T. 0.006 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 164 Resp: 1060  
Ion Ratio Lower Upper  
164 100  
166 86.6 100.0 150.0#  
129 79.8 82.2 123.4#  
131 72.7 75.2 112.8#

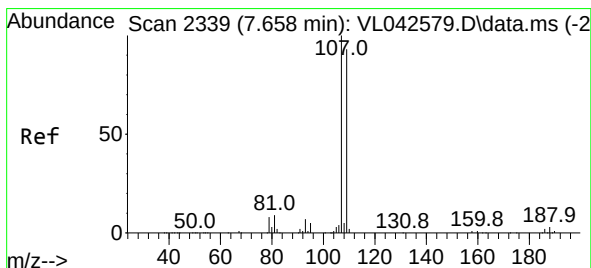
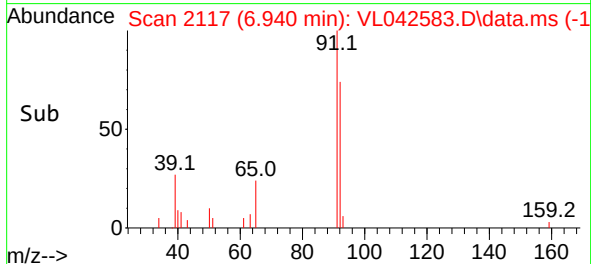
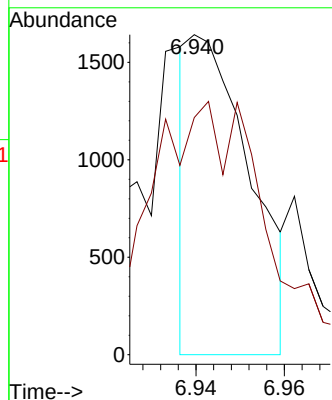
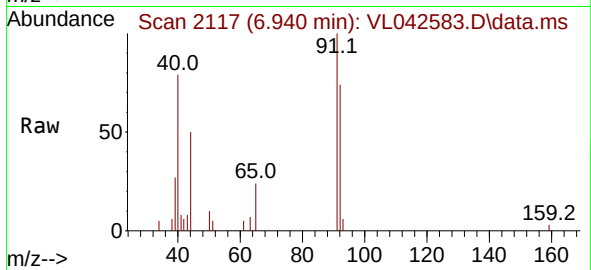




#53  
Toluene  
Concen: 0.046 ppbv  
RT: 6.940 min Scan# 2118  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

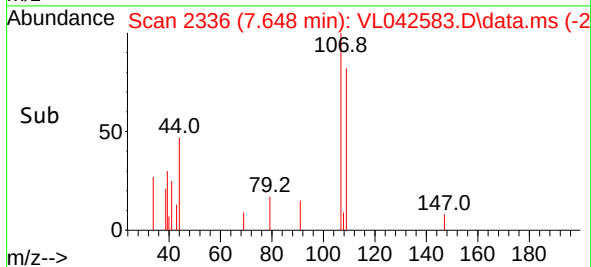
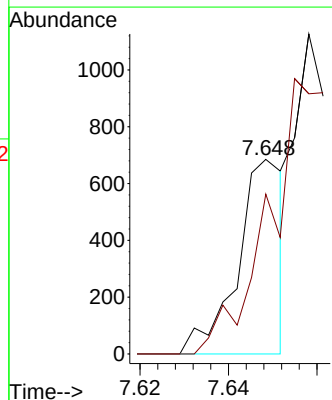
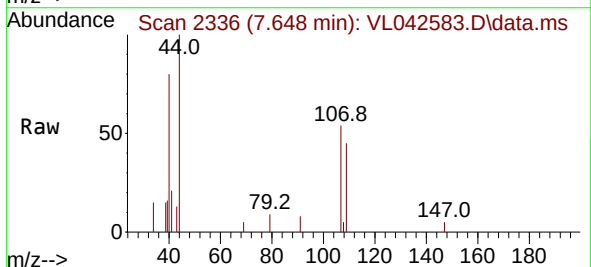
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

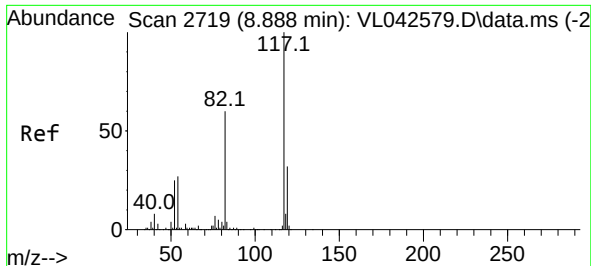
Tgt Ion: 91 Resp: 1577  
Ion Ratio Lower Upper  
91 100  
92 157.8 48.2 72.4#



#54  
1,2-Dibromoethane  
Concen: 0.029 ppbv  
RT: 7.648 min Scan# 2336  
Delta R.T. -0.010 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 107 Resp: 492  
Ion Ratio Lower Upper  
107 100  
109 82.2 74.3 111.5

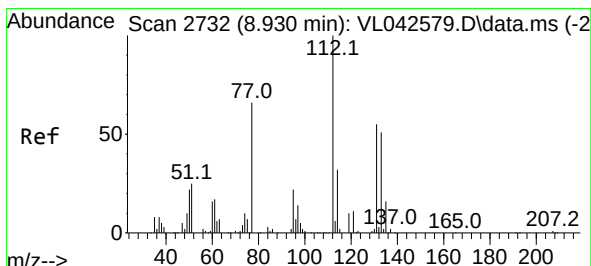
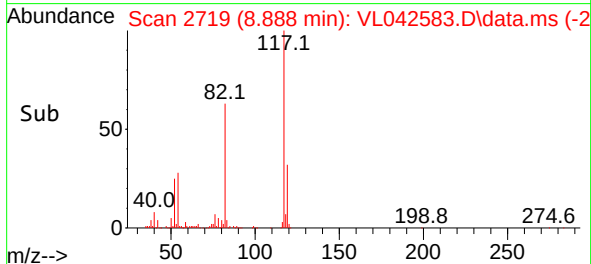
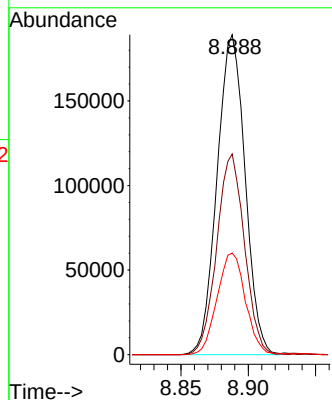
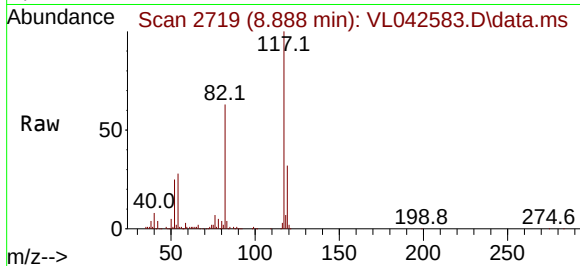




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.888 min Scan# 2719  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

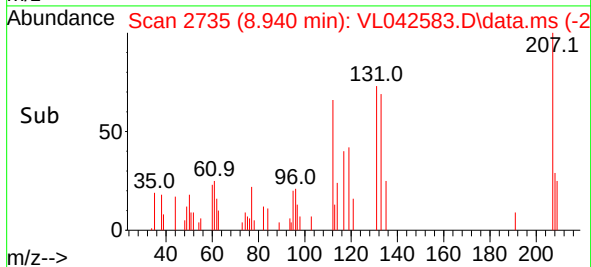
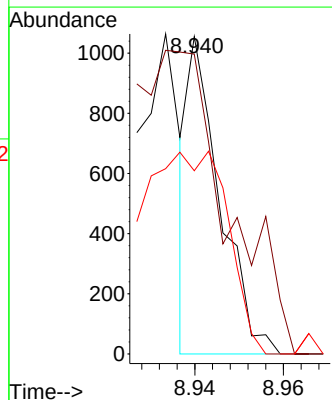
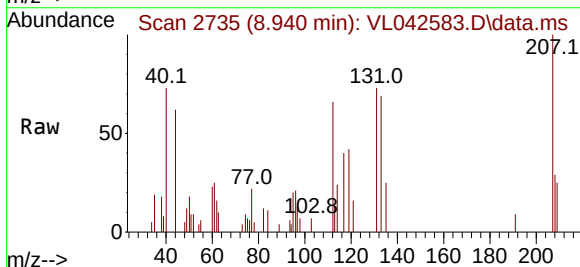
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

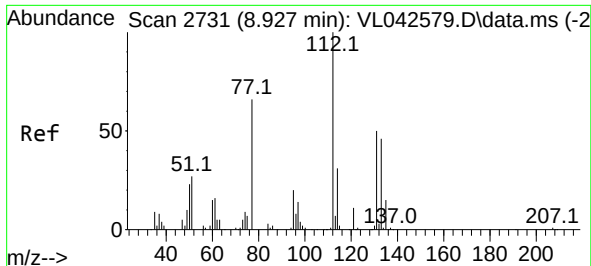
Tgt Ion:117 Resp: 273881  
Ion Ratio Lower Upper  
117 100  
82 62.1 51.2 76.8  
119 32.3 26.3 39.5



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.038 ppbv  
RT: 8.940 min Scan# 2735  
Delta R.T. 0.010 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion:131 Resp: 527  
Ion Ratio Lower Upper  
131 100  
133 0.0 75.0 112.6#  
119 0.0 50.8 76.2#





#57

Chlorobenzene

Concen: 0.053 ppbv

RT: 8.924 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.1

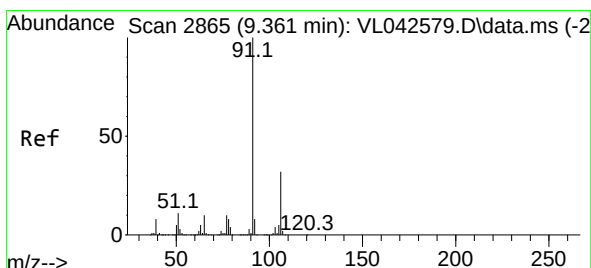
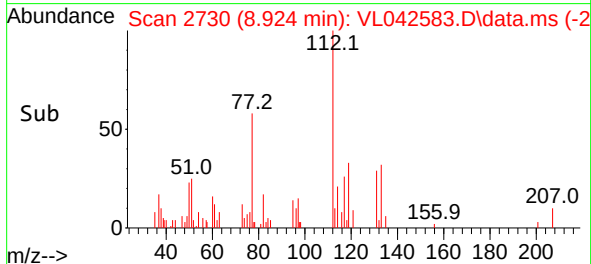
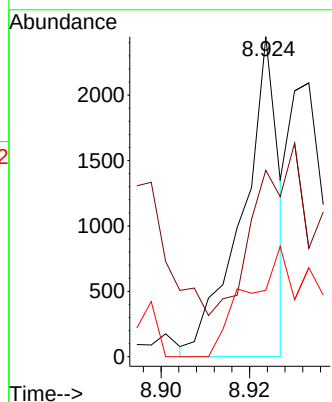
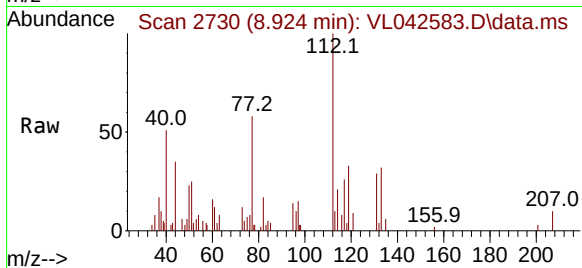
Tgt Ion:112 Resp: 1397

Ion Ratio Lower Upper

112 100

77 38.8 53.5 80.3#

114 21.4 27.8 34.0#



#58

Ethyl Benzene

Concen: 0.073 ppbv

RT: 9.361 min Scan# 2865

Delta R.T. 0.000 min

Lab File: VL042583.D

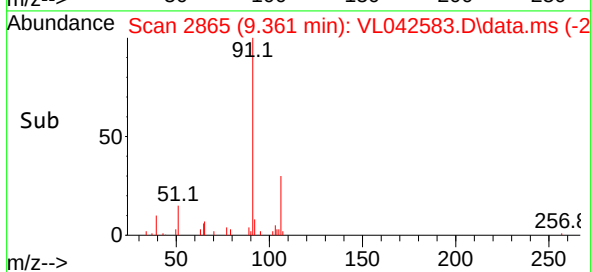
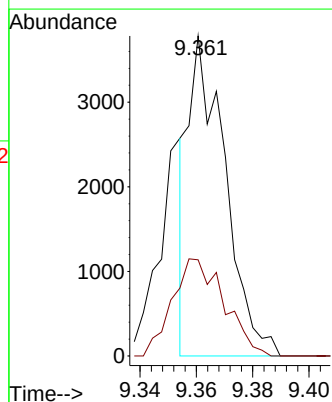
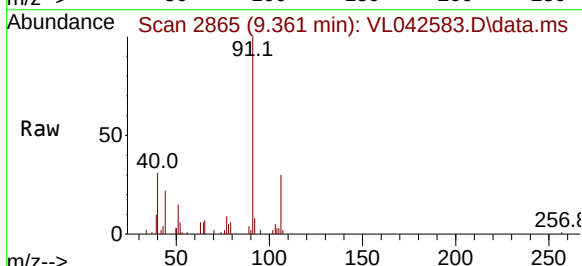
Acq: 29 May 2025 13:19

Tgt Ion: 91 Resp: 3383

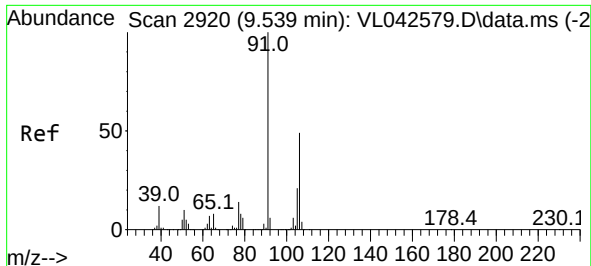
Ion Ratio Lower Upper

91 100

106 30.1 25.9 38.9







#59

m/p-Xylene

Concen: 0.101 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

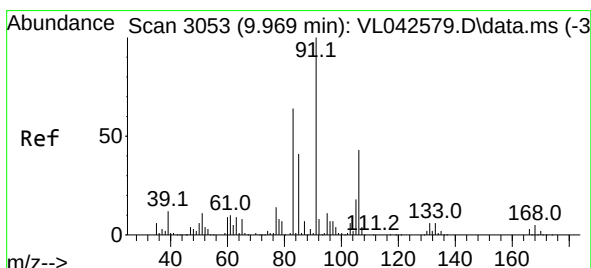
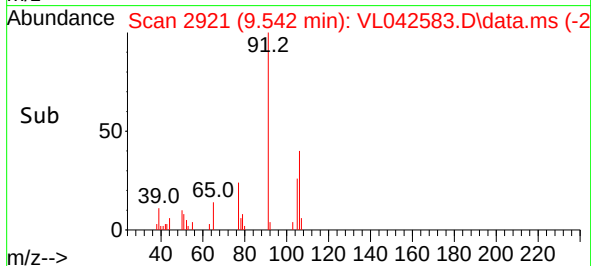
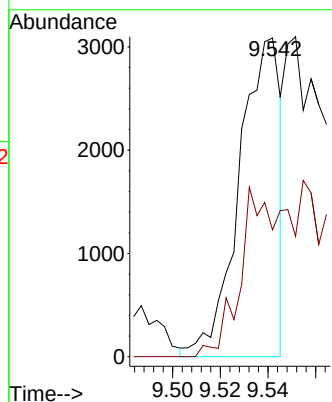
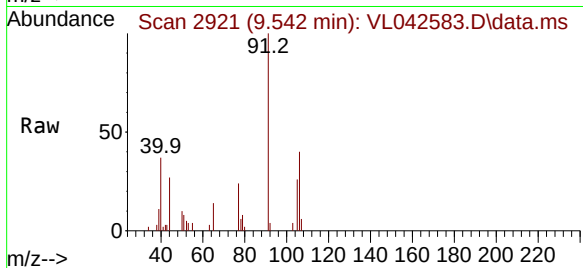
VSTDIC0.1

Tgt Ion: 91 Resp: 3685

Ion Ratio Lower Upper

91 100

106 0.0 38.8 58.2#



#60

o-Xylene

Concen: 0.084 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. 0.003 min

Lab File: VL042583.D

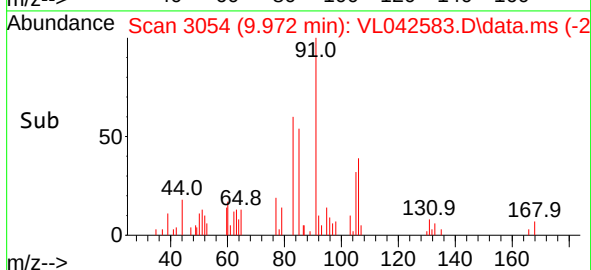
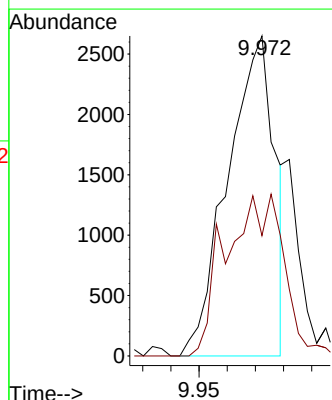
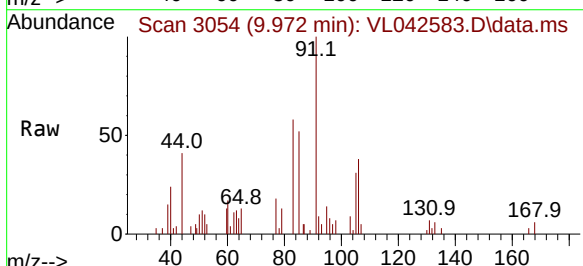
Acq: 29 May 2025 13:19

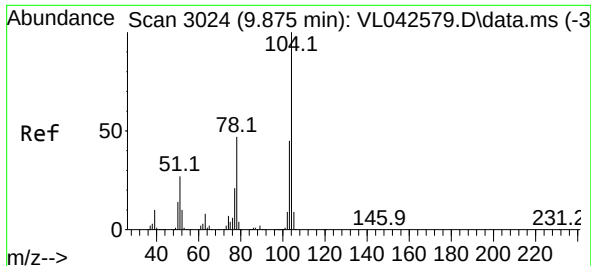
Tgt Ion: 91 Resp: 3081

Ion Ratio Lower Upper

91 100

106 61.7 22.9 68.5

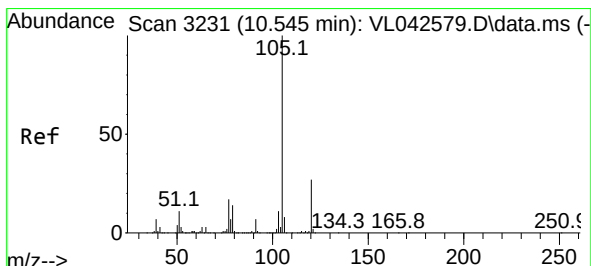
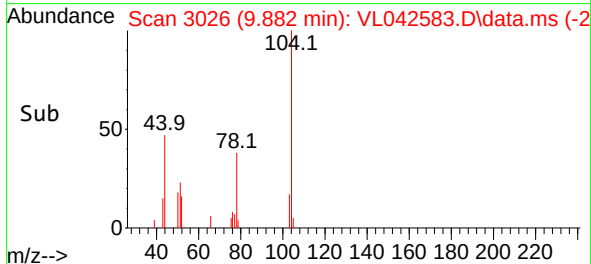
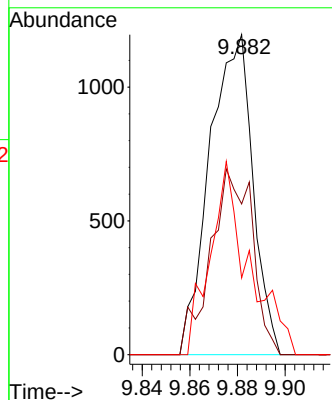
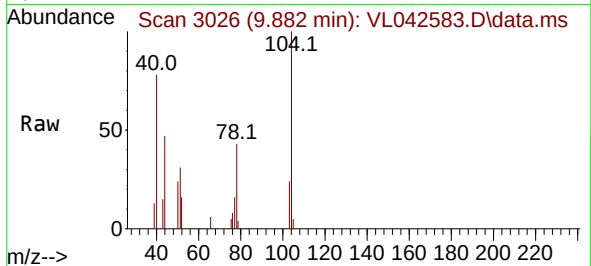




#61  
Styrene  
Concen: 0.087 ppbv  
RT: 9.882 min Scan# 3024  
Delta R.T. 0.006 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

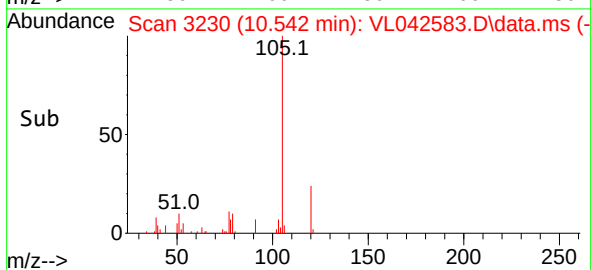
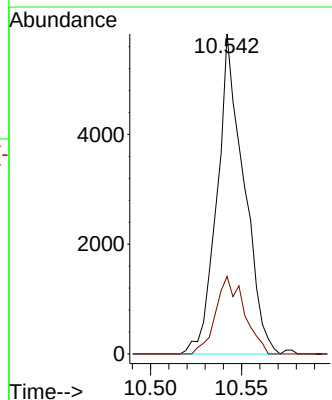
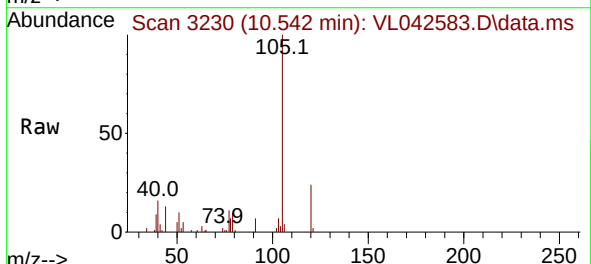
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

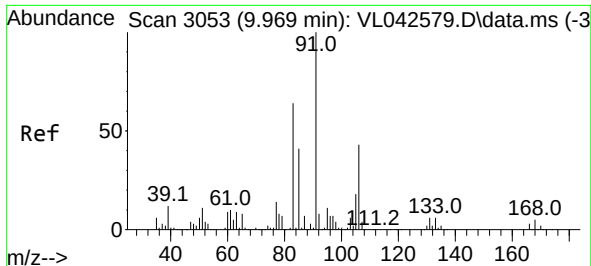
Tgt Ion:104 Resp: 1504  
Ion Ratio Lower Upper  
104 100  
78 56.3 38.2 57.4  
103 53.7 36.7 55.1



#62  
Isopropylbenzene  
Concen: 0.110 ppbv  
RT: 10.542 min Scan# 3230  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 5949  
Ion Ratio Lower Upper  
105 100  
120 25.8 20.9 31.3

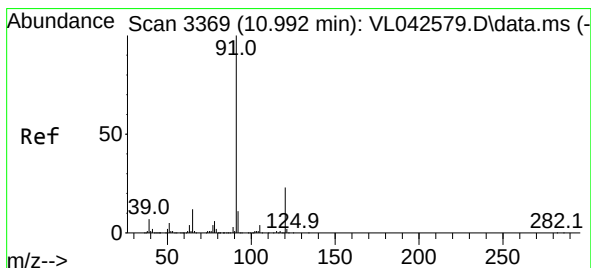
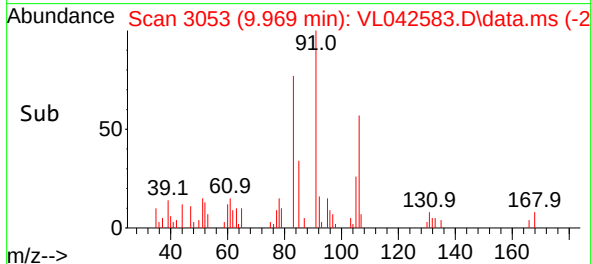
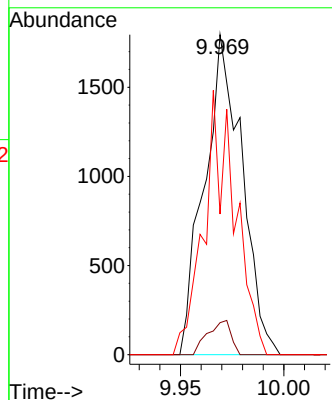
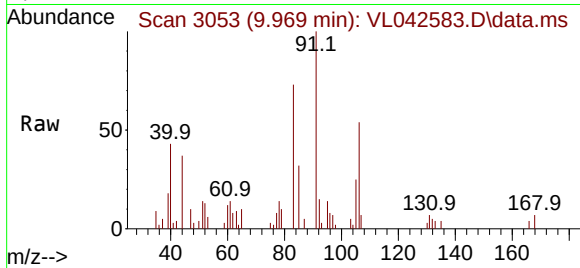




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.098 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

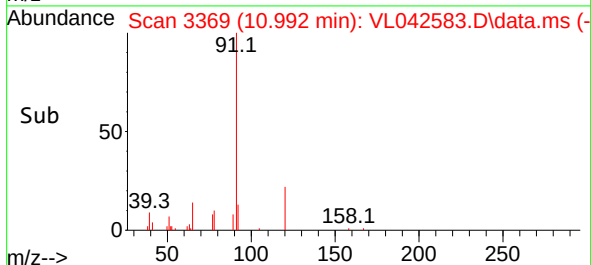
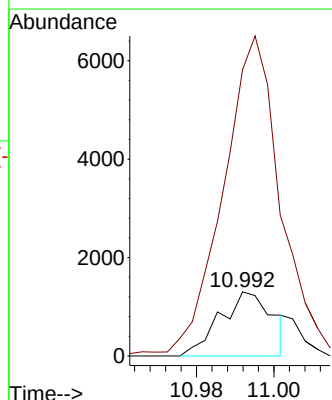
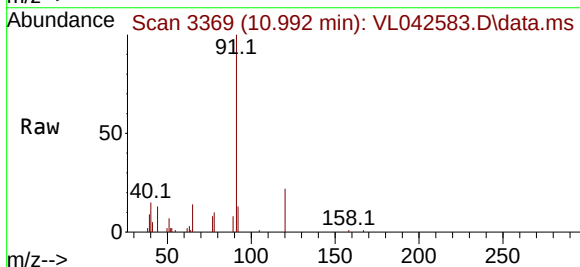
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

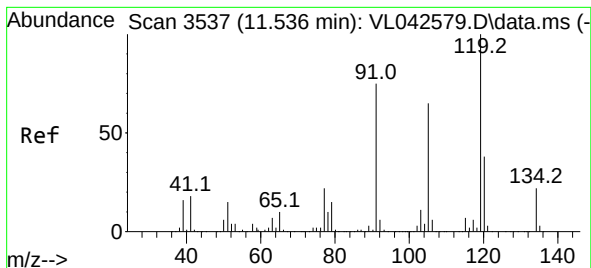
Tgt Ion: 83 Resp: 2267  
Ion Ratio Lower Upper  
83 100  
131 6.6 4.8 14.4  
85 68.0 32.5 97.4



#64  
n-propylbenzene  
Concen: 0.085 ppbv  
RT: 10.992 min Scan# 3369  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 120 Resp: 1232  
Ion Ratio Lower Upper  
120 100  
91 548.3 363.0 544.6#





#65

tert-Butylbenzene

Concen: 0.106 ppbv

RT: 11.536 min Scan# 3537

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

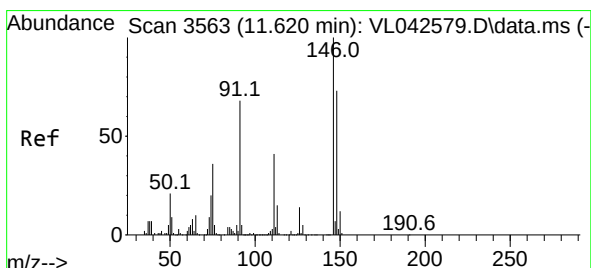
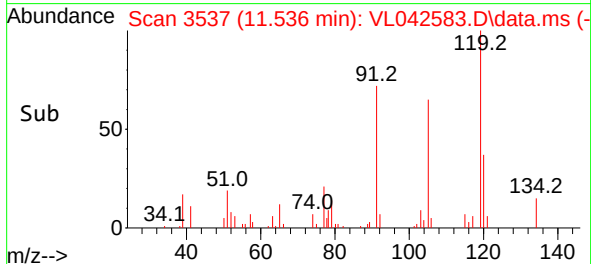
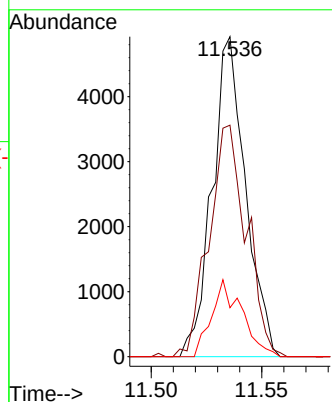
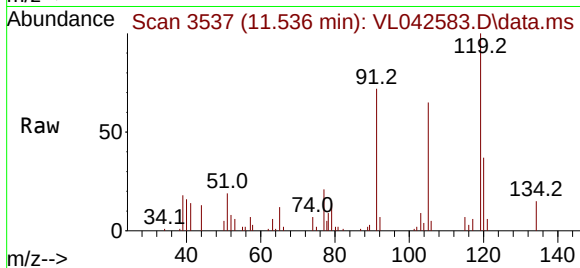
Tgt Ion:119 Resp: 5169

Ion Ratio Lower Upper

119 100

91 81.1 61.1 91.7

134 21.9 17.4 26.2



#66

Benzyl Chloride

Concen: 0.037 ppbv

RT: 11.623 min Scan# 3564

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

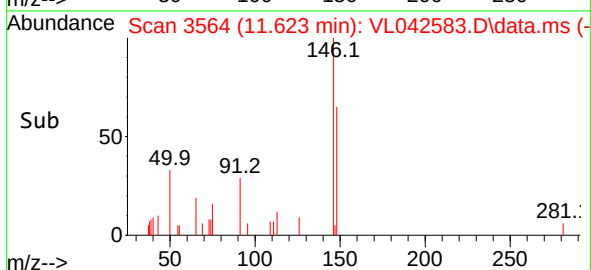
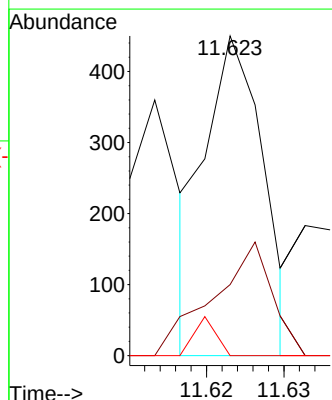
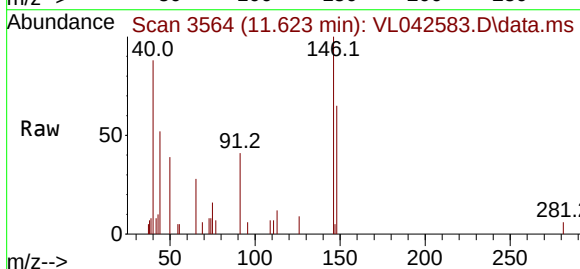
Tgt Ion: 91 Resp: 234

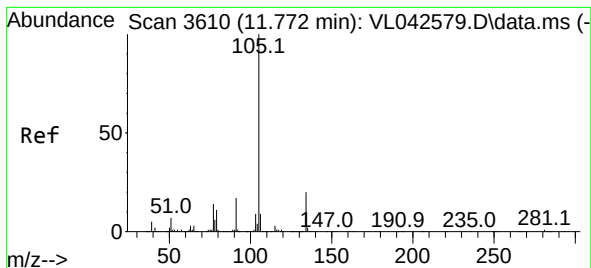
Ion Ratio Lower Upper

91 100

126 36.8 15.1 22.7#

128 0.0 5.0 7.6#





#67

sec-Butylbenzene

Concen: 0.058 ppbv

RT: 11.775 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

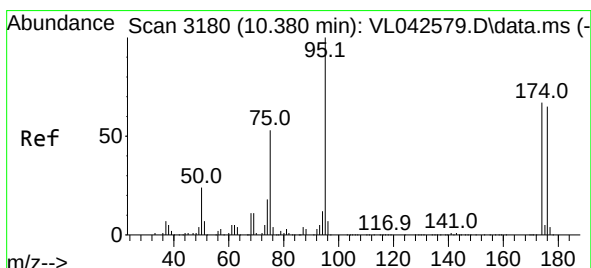
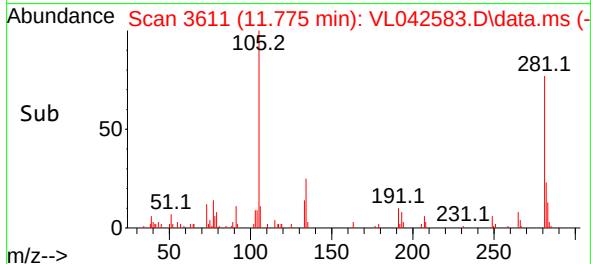
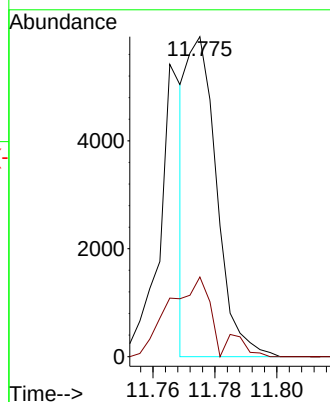
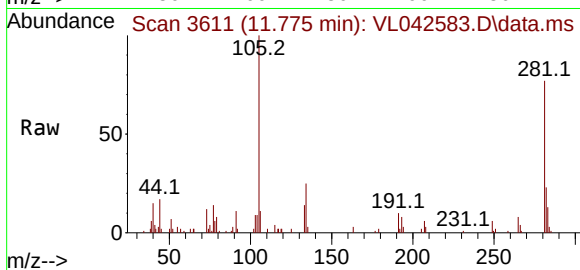
VSTDIC0.1

Tgt Ion:105 Resp: 3973

Ion Ratio Lower Upper

105 100

134 38.2 15.8 23.6#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.018 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

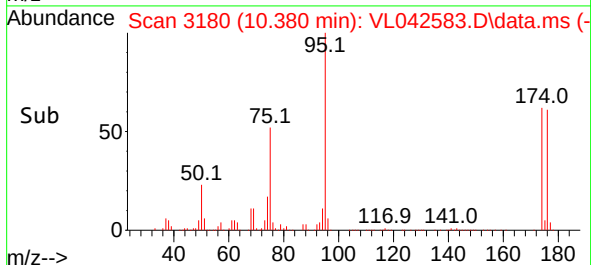
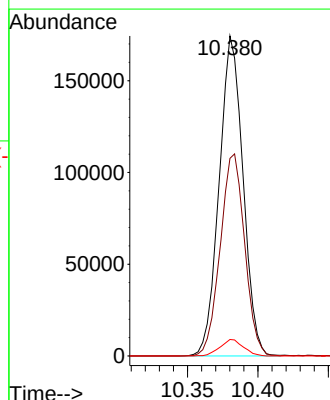
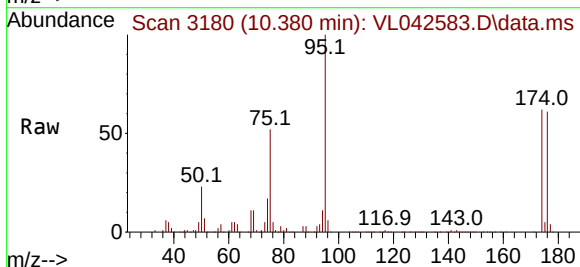
Tgt Ion: 95 Resp: 205672

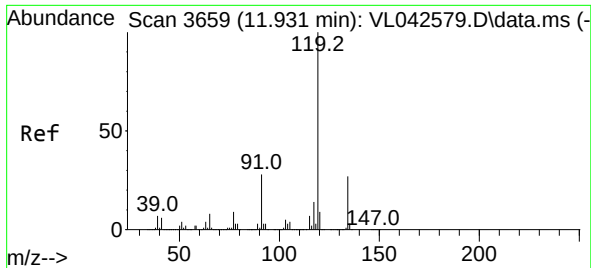
Ion Ratio Lower Upper

95 100

174 64.7 53.1 79.7

175 5.0 4.2 6.2

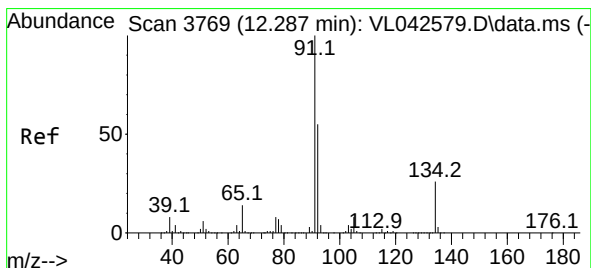
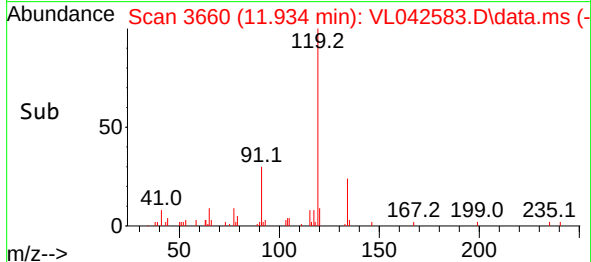
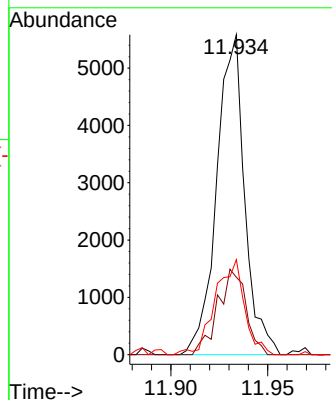
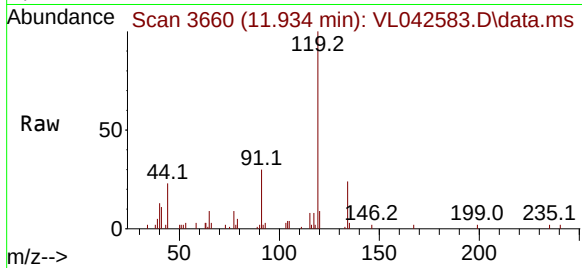




#69  
p-Isopropyltoluene  
Concen: 0.097 ppbv  
RT: 11.934 min Scan# 3660  
Delta R.T. 0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

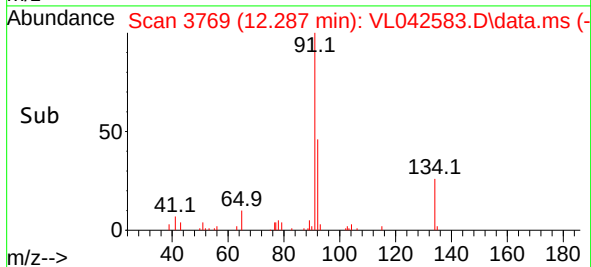
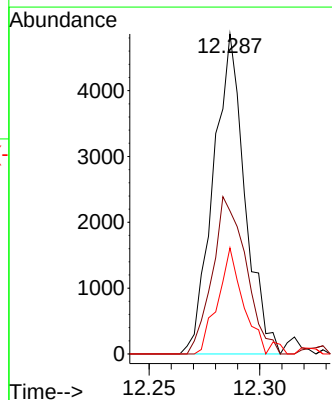
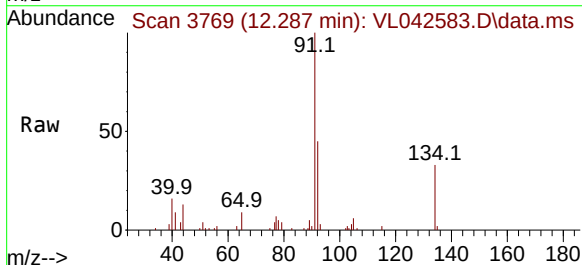
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

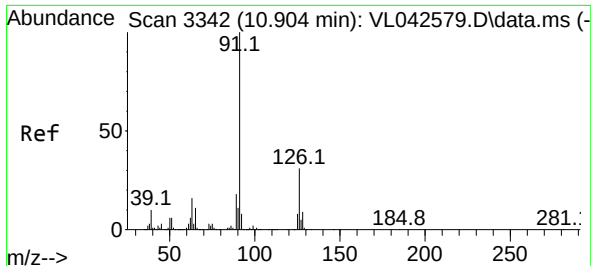
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 5605  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 26.9  | 21.1  | 31.7  |
| 91       | 31.7  | 21.9  | 32.9  |



#70  
n-Butylbenzene  
Concen: 0.085 ppbv  
RT: 12.287 min Scan# 3769  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 4829  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 54.1  | 44.4  | 66.6  |
| 134      | 27.7  | 20.1  | 30.1  |

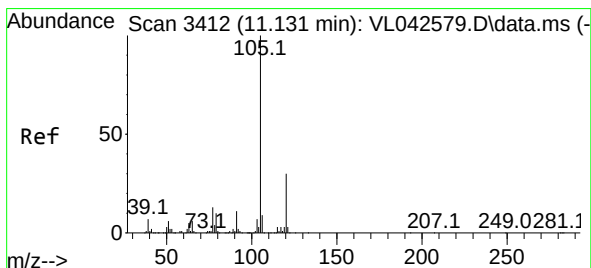
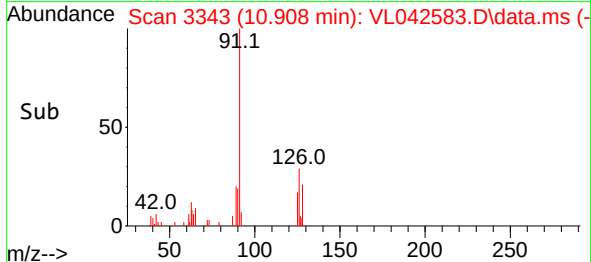
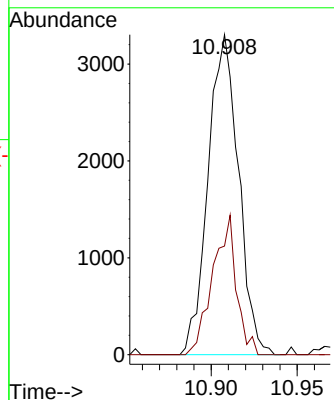
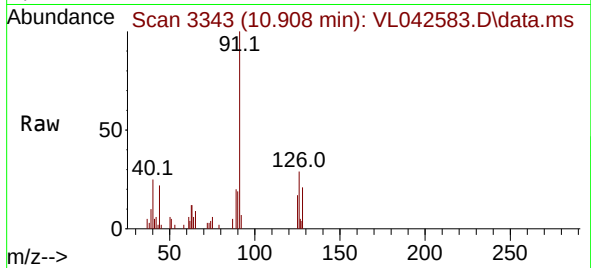




#71  
2-Chlorotoluene  
Concen: 0.099 ppbv  
RT: 10.908 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

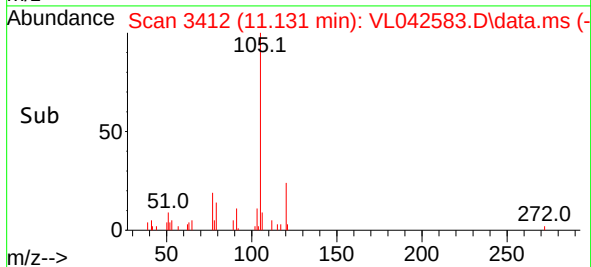
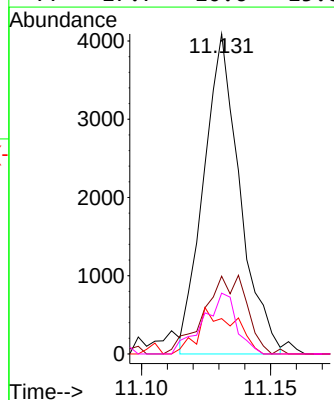
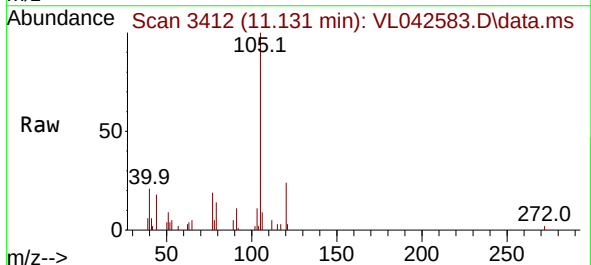
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

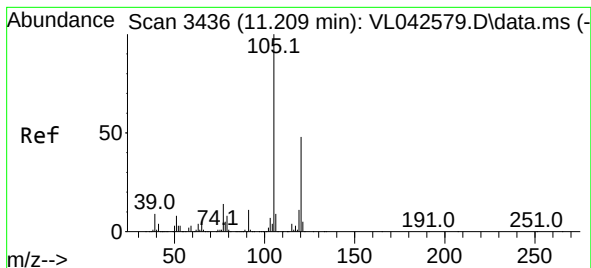
Tgt Ion: 91 Resp: 4065  
Ion Ratio Lower Upper  
91 100  
126 33.8 12.6 50.4



#72  
4-Ethyltoluene  
Concen: 0.088 ppbv  
RT: 11.131 min Scan# 3412  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion: 105 Resp: 3986  
Ion Ratio Lower Upper  
105 100  
120 30.4 24.6 36.8  
91 15.5 9.6 14.4#  
77 17.7 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.096 ppbv

RT: 11.206 min Scan# 3436

Delta R.T. -0.003 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

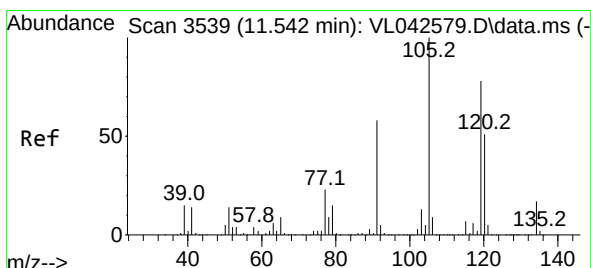
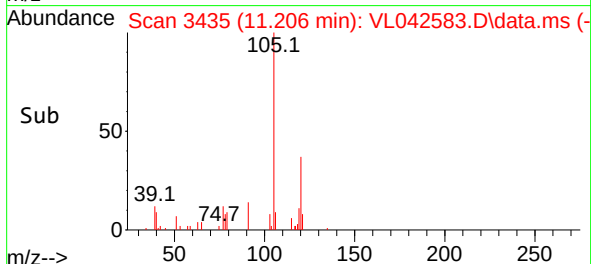
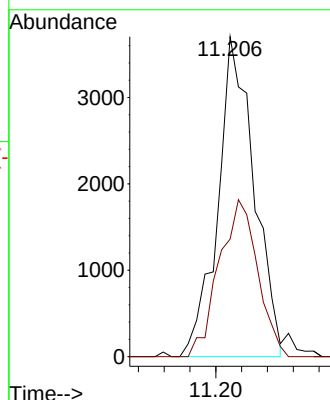
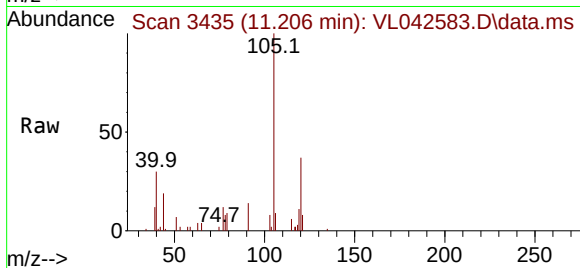
VSTDIC0.1

Tgt Ion:105 Resp: 3615

Ion Ratio Lower Upper

105 100

120 36.8 38.8 58.2#



#74

1,2,4-Trimethylbenzene

Concen: 0.103 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.000 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Tgt Ion:105 Resp: 4287

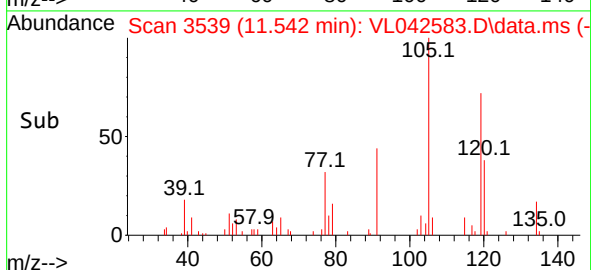
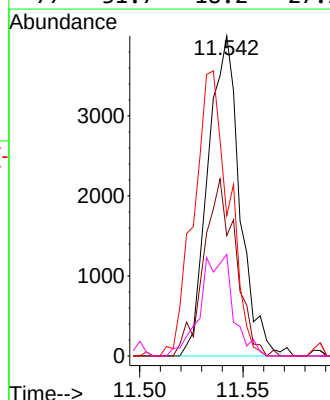
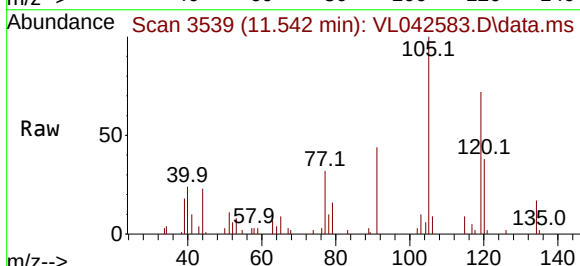
Ion Ratio Lower Upper

105 100

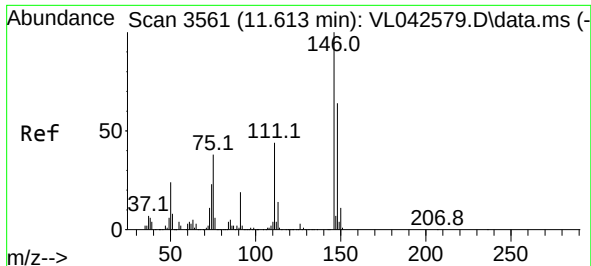
120 39.5 40.8 61.2#

91 43.8 46.8 70.2#

77 31.7 18.2 27.2#



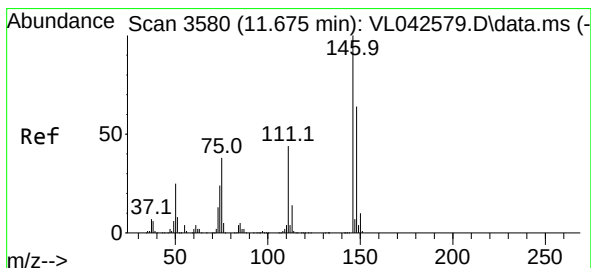
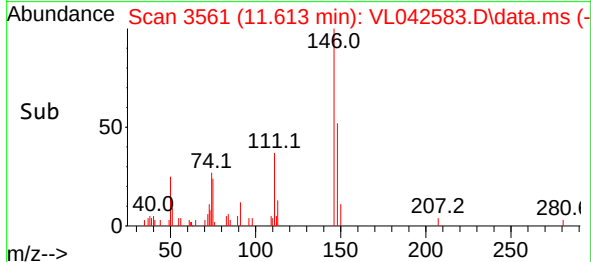
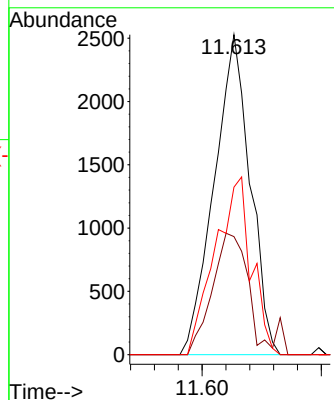
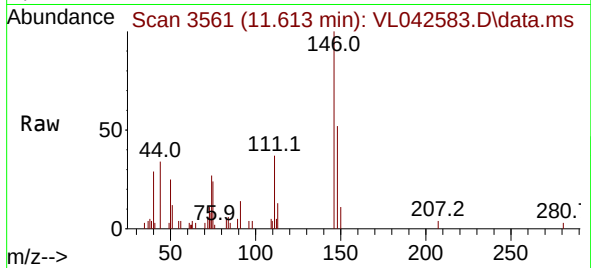




#75  
1,3-Dichlorobenzene  
Concen: 0.101 ppbv  
RT: 11.613 min Scan# 3561  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

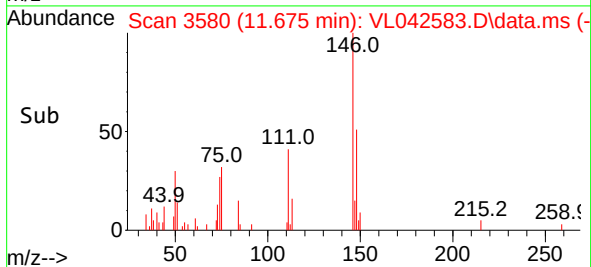
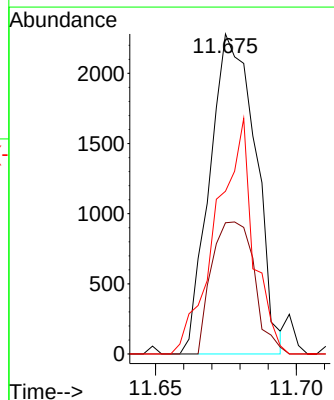
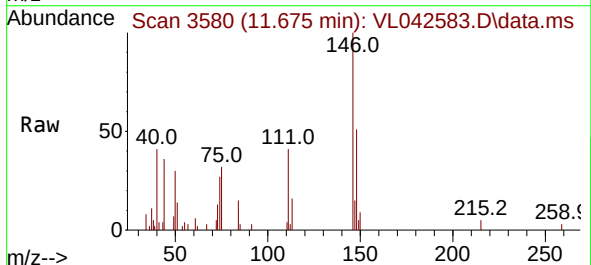
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

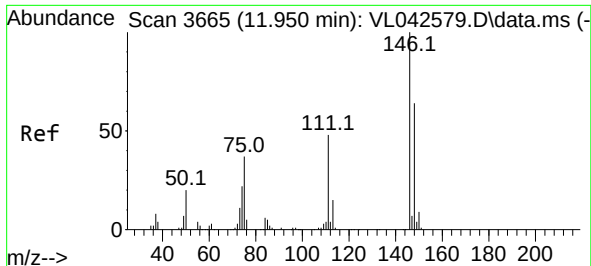
Tgt Ion:146 Resp: 2648  
Ion Ratio Lower Upper  
146 100  
111 39.7 22.4 67.3  
148 56.2 32.0 96.2



#76  
1,4-Dichlorobenzene  
Concen: 0.098 ppbv  
RT: 11.675 min Scan# 3580  
Delta R.T. 0.000 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

Tgt Ion:146 Resp: 2574  
Ion Ratio Lower Upper  
146 100  
111 38.5 21.6 64.8  
148 60.0 32.1 96.5

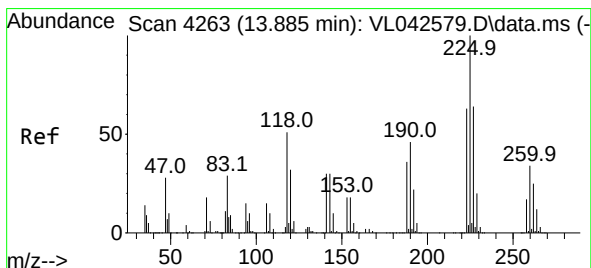
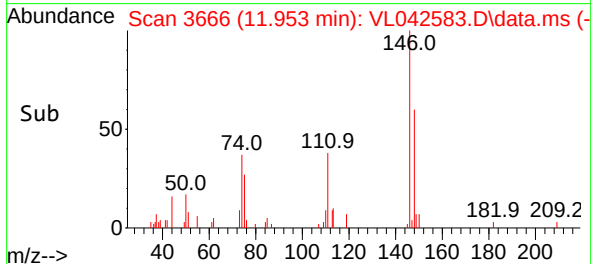
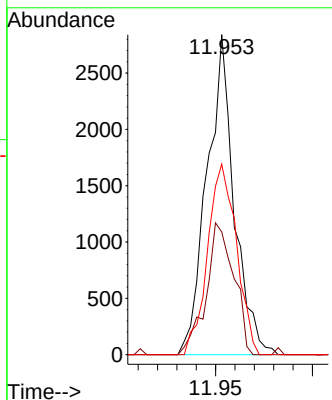
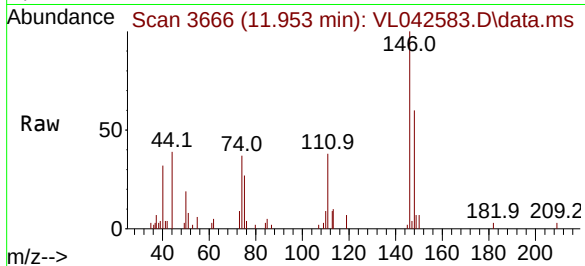




#77  
1,2-Dichlorobenzene  
Concen: 0.109 ppbv  
RT: 11.953 min Scan# 3666  
Delta R.T. 0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

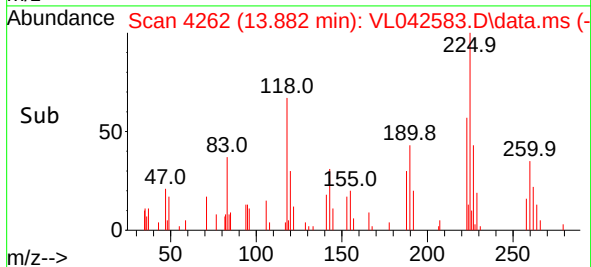
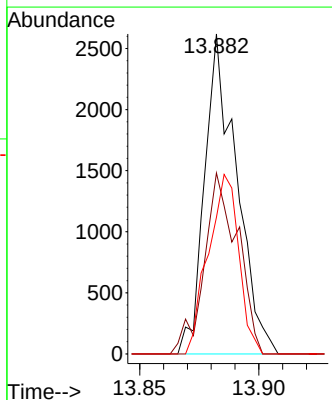
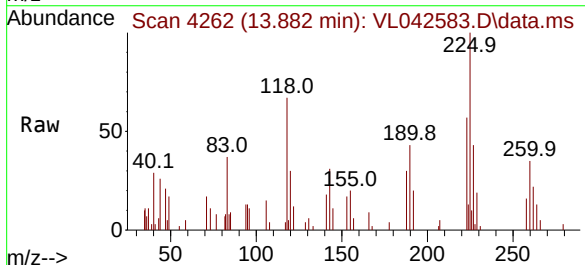
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.1

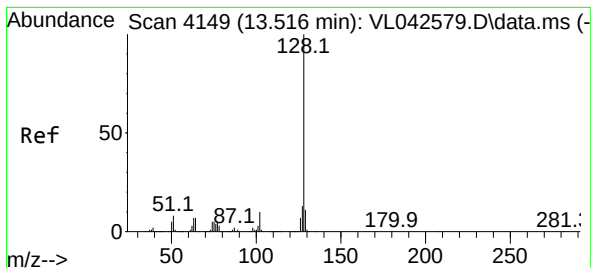
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 146   | Resp: | 2775 |
| Ion Ratio | Lower | Upper |      |
| 146       | 100   |       |      |
| 111       | 42.5  | 23.1  | 69.3 |
| 148       | 63.3  | 32.1  | 96.3 |



#78  
Hexachloro-1,3-Butadiene  
Concen: 0.116 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. -0.003 min  
Lab File: VL042583.D  
Acq: 29 May 2025 13:19

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2440 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 59.2  | 50.2  | 75.4 |
| 227       | 53.6  | 51.1  | 76.7 |





#79

Naphthalene

Concen: 0.074 ppbv

RT: 13.523 min Scan# 4149

Delta R.T. 0.006 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC0.1

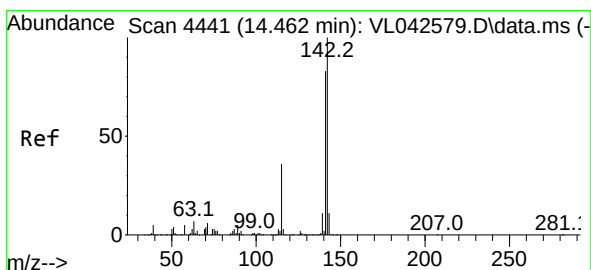
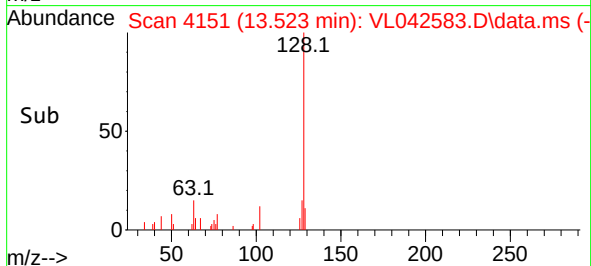
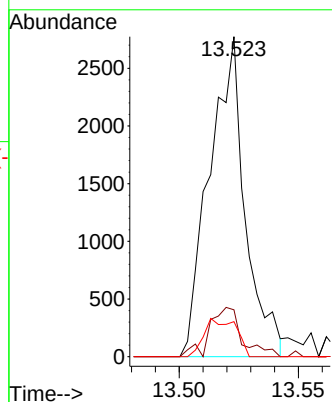
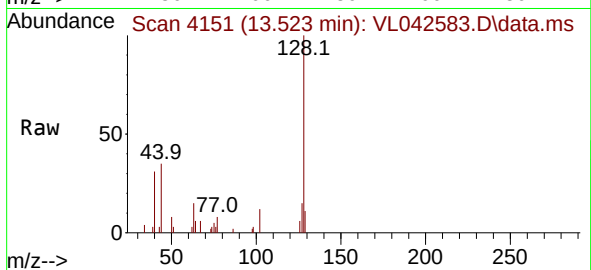
Tgt Ion:128 Resp: 2887

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

129 9.9 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 0.039 ppbv

RT: 14.481 min Scan# 4447

Delta R.T. 0.019 min

Lab File: VL042583.D

Acq: 29 May 2025 13:19

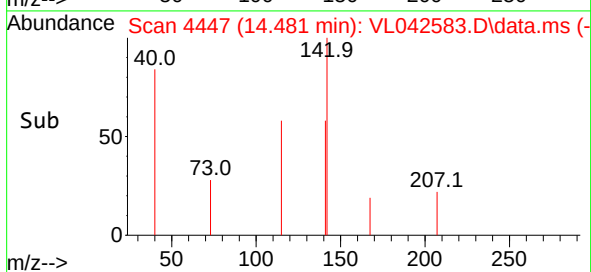
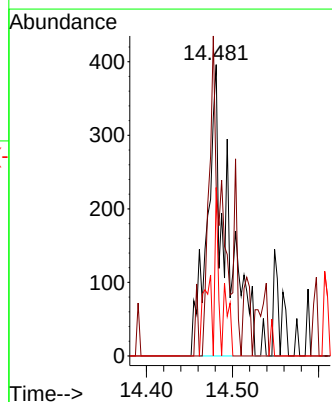
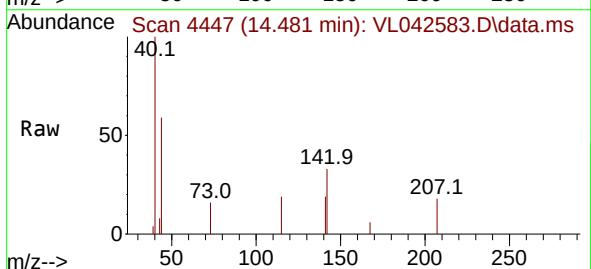
Tgt Ion:142 Resp: 688

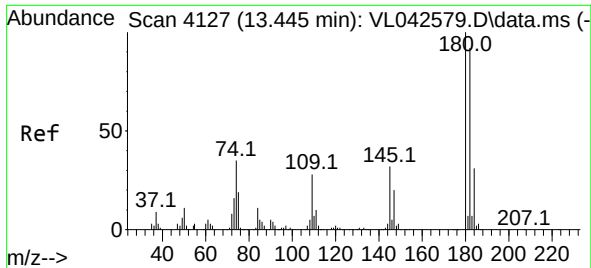
Ion Ratio Lower Upper

142 100

141 70.9 66.2 99.4

115 19.0 28.3 42.5#





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.050 ppbv  
 RT: 13.448 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL042583.D  
 Acq: 29 May 2025 13:19

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.1

Tgt Ion:180 Resp: 1109  
 Ion Ratio Lower Upper  
 180 100  
 182 128.7 75.0 112.4#  
 184 36.1 24.6 36.8

