

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011425\  
 Data File : VL041896.D  
 Acq On : 14 Jan 2025 17:33  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 14 23:34:48 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M

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

QLast Update : Tue Jan 14 23:15:42 2025

Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 141664   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 417936   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 373391   | 10.000 | ppbv  | 0.00     |

#### System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 10.387 95 298000 10.133 ppbv 0.00  
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.300%

#### Target Compounds

|                               |       |     |        |              | Qvalue |
|-------------------------------|-------|-----|--------|--------------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 190925 | 9.894 ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 200455 | 9.916 ppbv   | 100    |
| 4) Chloromethane              | 1.534 | 50  | 71767  | 9.889 ppbv   | 95     |
| 5) Vinyl Chloride             | 1.583 | 62  | 71974  | 9.791 ppbv   | 94     |
| 6) Bromomethane               | 1.670 | 94  | 33594  | 9.589 ppbv   | 96     |
| 7) Chloroethane               | 1.706 | 64  | 29553  | 10.333 ppbv  | 100    |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 163783 | 9.712 ppbv   | 99     |
| 9) Propene                    | 1.486 | 41  | 82320  | 9.886 ppbv   | 99     |
| 10) Heptane                   | 4.998 | 43  | 225230 | 10.119 ppbv  | 99     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 198523 | 9.890 ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 159862 | 10.162 ppbv  | 100    |
| 13) Ethanol                   | 1.725 | 45  | 3780   | 6.197 ppbv   | 97     |
| 14) Bromoethene               | 1.784 | 108 | 57260  | 9.941 ppbv   | 98     |
| 15) Acetone                   | 1.839 | 43  | 150112 | 8.822 ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 73640  | 9.643 ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 204358 | 9.758 ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 71011  | 10.015 ppbv  | 96     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 93592  | 9.277 ppbv   | 97     |
| 20) Methylene Chloride        | 2.065 | 84  | 60115  | 8.940 ppbv   | 97     |
| 21) Allyl Chloride            | 2.101 | 41  | 118907 | 10.092 ppbv  | 97     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 77379  | 9.669 ppbv   | 96     |
| 23) Vinyl Acetate             | 2.470 | 43  | 80428  | 9.536 ppbv # | 95     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 155440 | 10.042 ppbv  | 98     |
| 25) Ethyl Acetate             | 2.842 | 43  | 458484 | 9.993 ppbv   | 100    |
| 26) Hexane                    | 2.832 | 57  | 184436 | 10.164 ppbv  | 99     |
| 27) Carbon Disulfide          | 2.156 | 76  | 186668 | 10.395 ppbv  | 98     |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 112489 | 8.110 ppbv   | 99     |
| 29) Chloroform                | 2.855 | 83  | 282467 | 9.847 ppbv   | 99     |
| 30) Cyclohexane               | 3.865 | 84  | 159296 | 10.120 ppbv  | 99     |
| 31) cis-1,2-Dichloroethene    | 2.729 | 61  | 187012 | 9.787 ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 284661 | 10.371 ppbv  | 99     |
| 34) 2-Butanone                | 2.564 | 43  | 261536 | 9.840 ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 285391 | 10.871 ppbv  | 96     |
| 36) Benzene                   | 3.667 | 78  | 374271 | 9.764 ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.227 | 62  | 214545 | 9.966 ppbv   | 100    |
| 38) Trichloroethene           | 4.564 | 130 | 153255 | 10.075 ppbv  | 95     |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 130483 | 9.704 ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.599 | 88  | 63736  | 9.386 ppbv # | 99     |
| 41) Tetrahydrofuran           | 3.062 | 42  | 148132 | 10.255 ppbv  | 98     |
| 42) Bromodichloromethane      | 4.506 | 83  | 299656 | 10.381 ppbv  | 96     |
| 43) Methyl Methacrylate       | 4.894 | 69  | 145663 | 10.229 ppbv  | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.654 | 57  | 619804 | 9.997 ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.428 | 75  | 145145 | 10.889 ppbv  | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011425\  
 Data File : VL041896.D  
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 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Jan 14 23:34:48 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Jan 14 23:15:42 2025  
 Response via : Initial Calibration

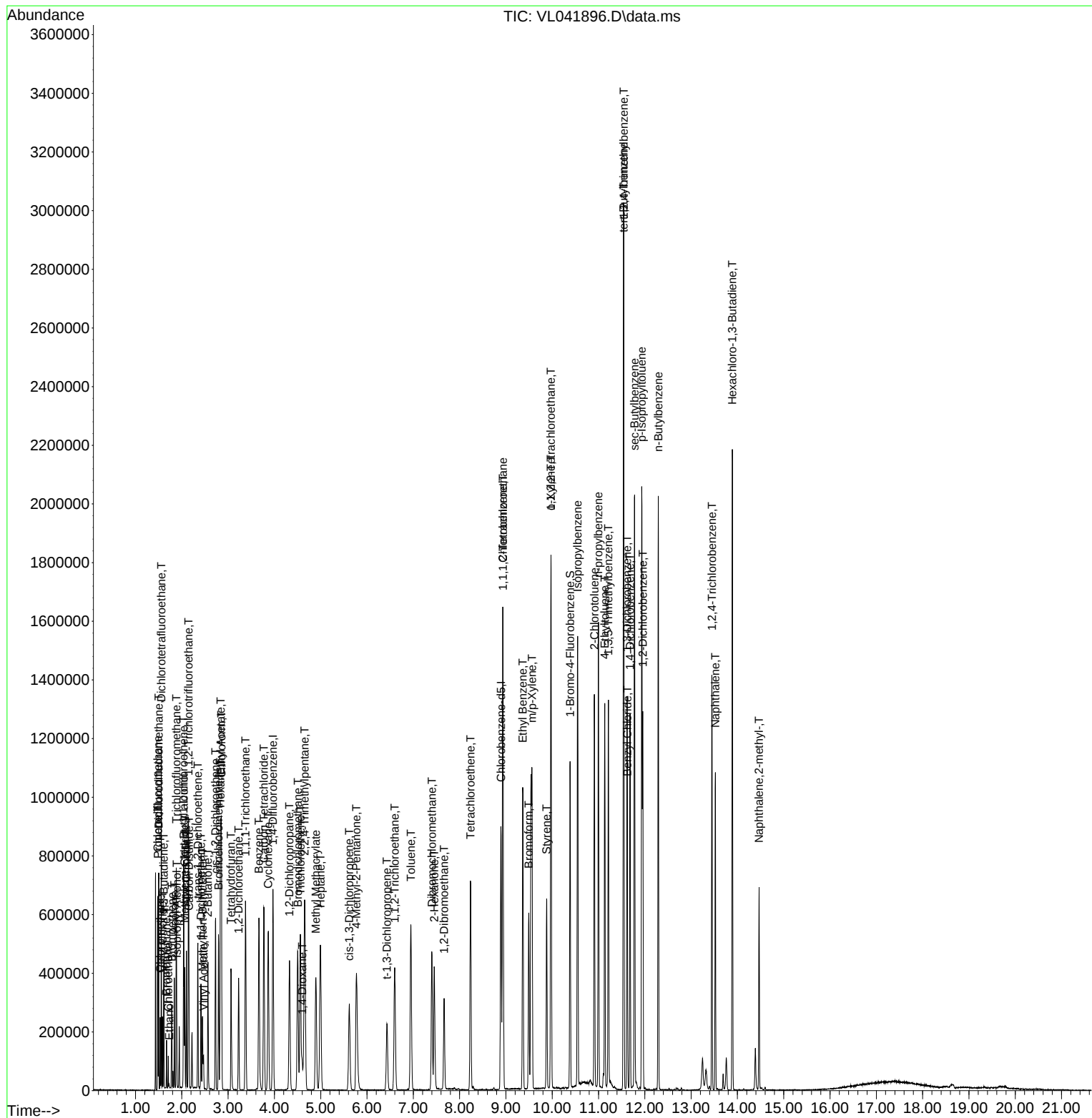
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.616  | 75   | 186898   | 10.680 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 6.596  | 97   | 140891   | 9.886  | ppbv   | 97       |
| 48) Dibromochloromethane      | 7.399  | 129  | 238244   | 10.835 | ppbv   | 100      |
| 49) Bromoform                 | 9.493  | 173  | 201141   | 11.136 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.771  | 43   | 363675   | 10.023 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.451  | 43   | 284058   | 10.189 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.237  | 164  | 127806   | 9.616  | ppbv   | 98       |
| 53) Toluene                   | 6.949  | 91   | 427033   | 10.227 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 199339   | 10.175 | ppbv   | 95       |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 188209   | 10.103 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.933  | 112  | 329025   | 9.553  | ppbv   | 99       |
| 58) Ethyl Benzene             | 9.364  | 91   | 601857   | 10.314 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.561  | 91   | 454802   | 9.724  | ppbv # | 31       |
| 60) o-Xylene                  | 9.972  | 91   | 480442   | 10.348 | ppbv   | 100      |
| 61) Styrene                   | 9.878  | 104  | 229797   | 11.034 | ppbv   | 99       |
| 62) Isopropylbenzene          | 10.548 | 105  | 728189   | 10.136 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 290998   | 9.809  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.998 | 120  | 182397   | 10.048 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 657521   | 10.043 | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.623 | 91   | 42509    | 10.490 | ppbv # | 97       |
| 67) sec-Butylbenzene          | 11.778 | 105  | 901260   | 9.997  | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 745566   | 10.043 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.290 | 91   | 733637   | 9.965  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 543858   | 10.234 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 568921   | 10.245 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 493388   | 10.061 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 528225   | 9.946  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 11.617 | 146  | 304133   | 9.664  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.681 | 146  | 297765   | 9.670  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.956 | 146  | 298039   | 9.555  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 228592   | 8.929  | ppbv   | 99       |
| 79) Naphthalene               | 13.523 | 128  | 497063   | 9.295  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.468 | 142  | 187571   | 7.398  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.448 | 180  | 236181   | 9.049  | ppbv   | 99       |

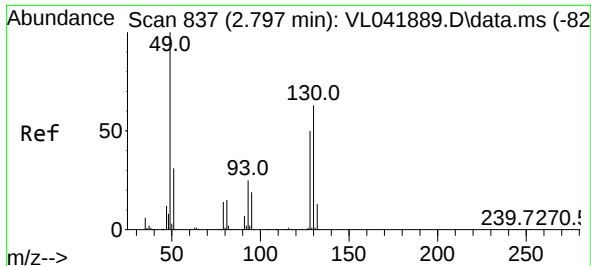
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL011425\  
Data File : VL041896.D  
Acq On : 14 Jan 2025 17:33  
Operator : SY/MD  
Sample : VSTDICV010  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :

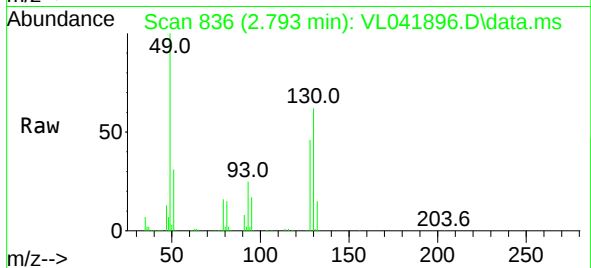
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL011425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Tue Jan 14 23:15:42 2025  
Response via : Initial Calibration



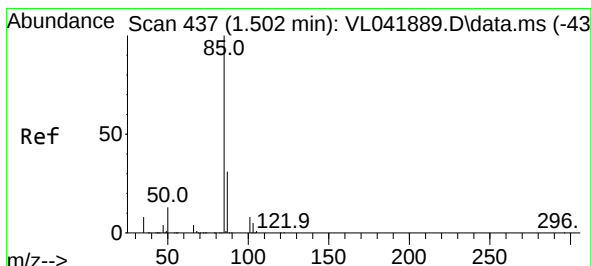
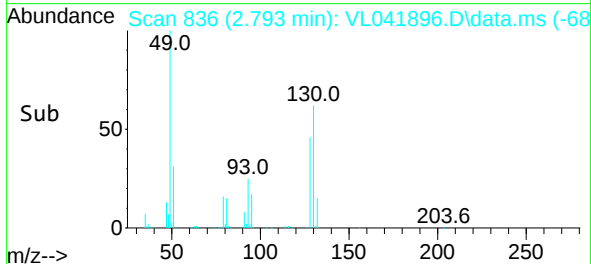
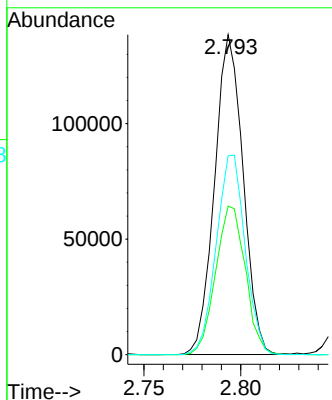


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.793 min Scan# 81  
 Delta R.T. -0.004 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Instrument :  
 MSVOA\_L  
 ClientSampleId :

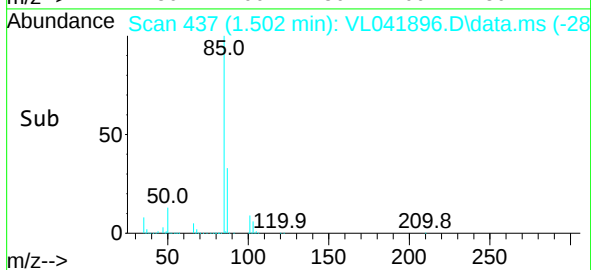
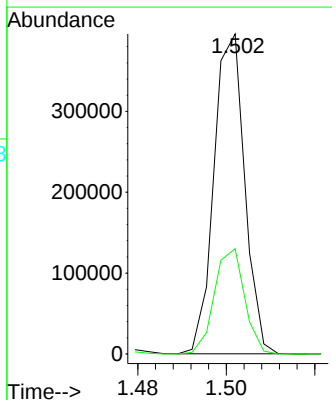
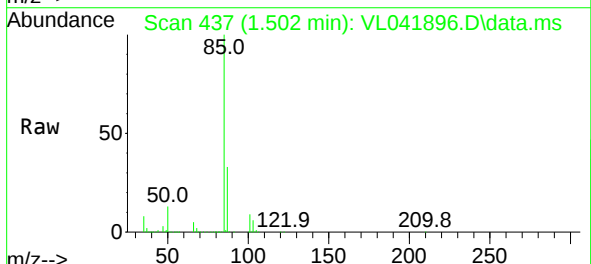


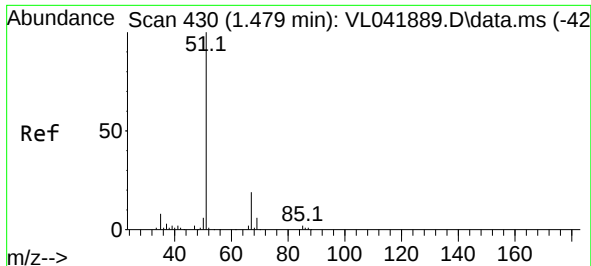
Tgt Ion: 49 Resp: 141664  
 Ion Ratio Lower Upper  
 49 100  
 128 48.4 24.3 73.0  
 130 63.4 31.1 93.2



#2  
 Dichlorodifluoromethane  
 Concen: 9.894 ppbv  
 RT: 1.502 min Scan# 437  
 Delta R.T. 0.000 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Tgt Ion: 85 Resp: 190925  
 Ion Ratio Lower Upper  
 85 100  
 87 32.9 24.9 37.3

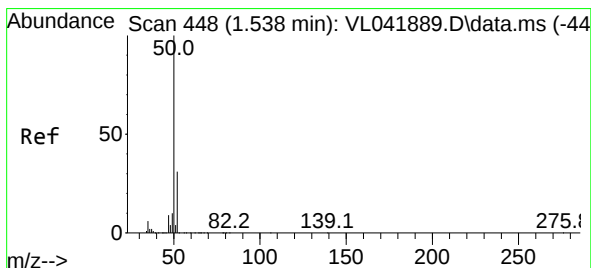
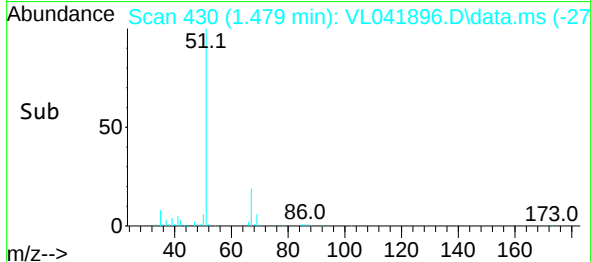
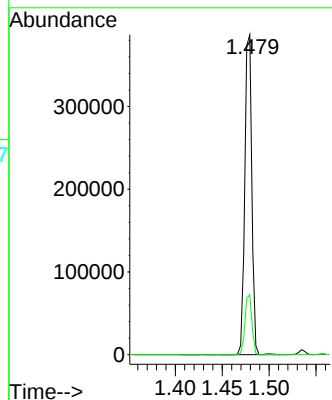
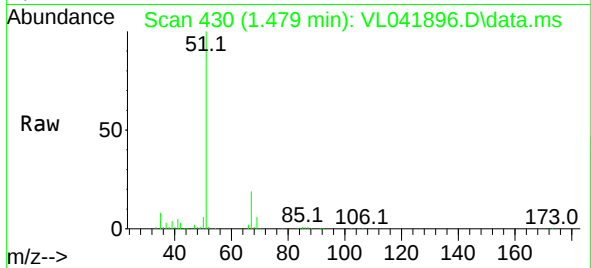




#3  
Chlorodifluoromethane  
Concen: 9.916 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

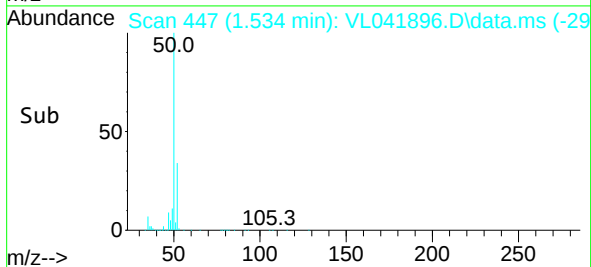
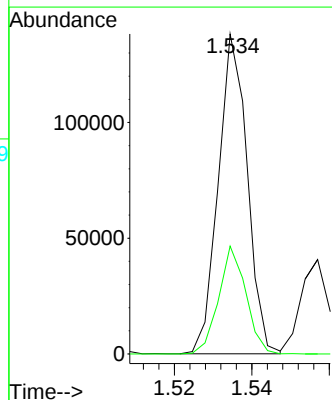
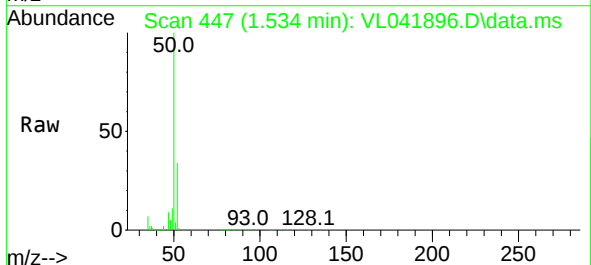
Instrument :  
MSVOA\_L  
ClientSampleId :

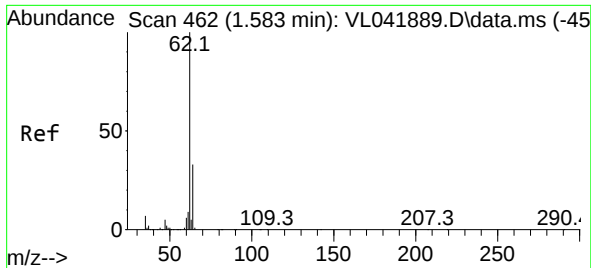
Tgt Ion: 51 Resp: 200455  
Ion Ratio Lower Upper  
51 100  
67 18.6 15.0 22.4



#4  
Chloromethane  
Concen: 9.889 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 50 Resp: 71767  
Ion Ratio Lower Upper  
50 100  
52 33.7 24.6 36.8

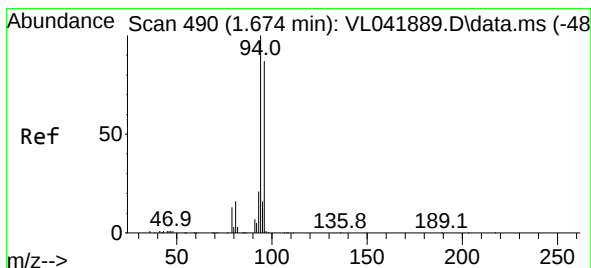
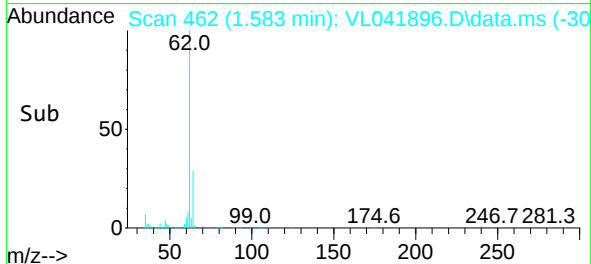
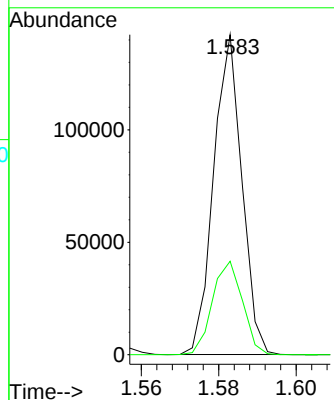
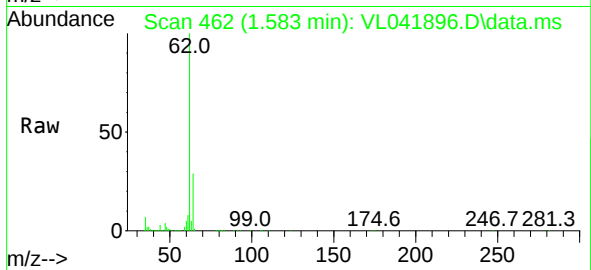




#5  
 Vinyl Chloride  
 Concen: 9.791 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. 0.000 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

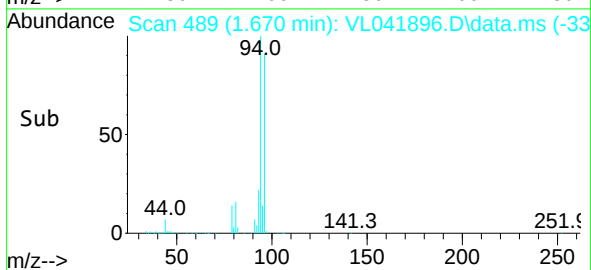
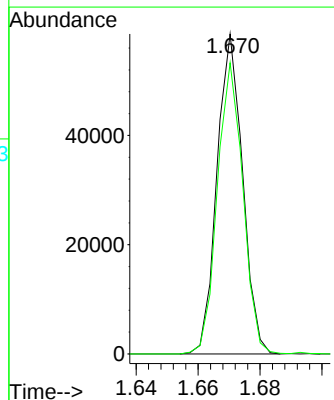
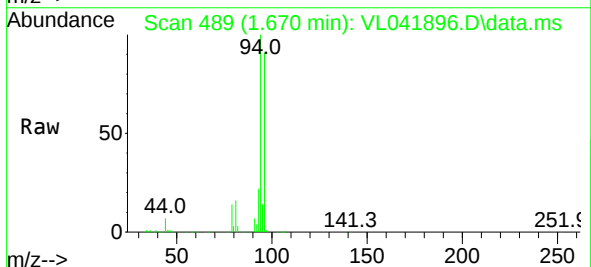
Instrument :  
 MSVOA\_L  
 ClientSampleId :

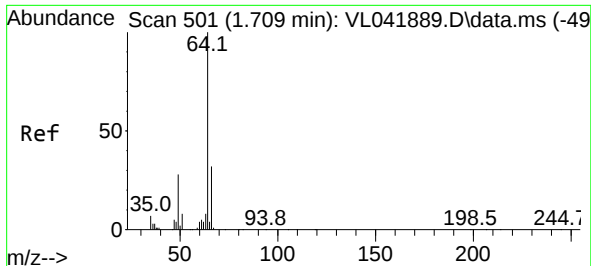
Tgt Ion: 62 Resp: 71974  
 Ion Ratio Lower Upper  
 62 100  
 64 29.2 26.1 39.1



#6  
 Bromomethane  
 Concen: 9.589 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. -0.003 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Tgt Ion: 94 Resp: 33594  
 Ion Ratio Lower Upper  
 94 100  
 96 91.0 69.5 104.3

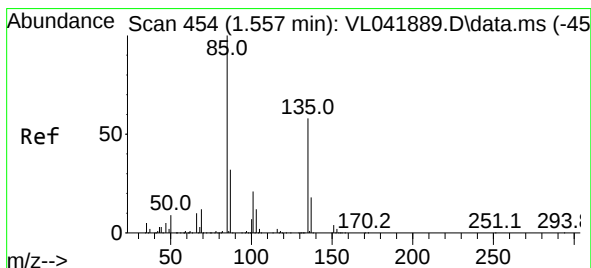
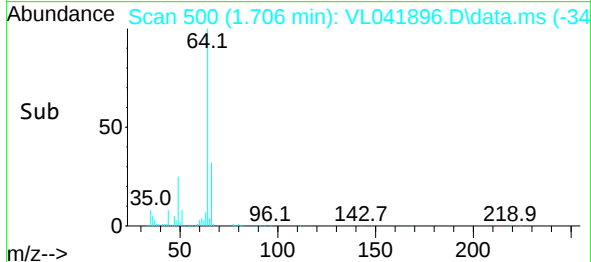
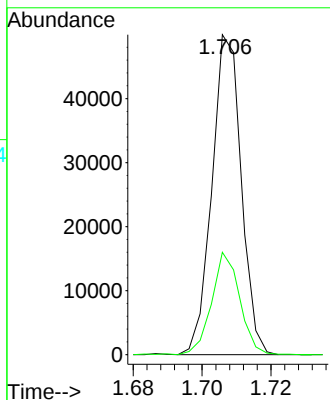
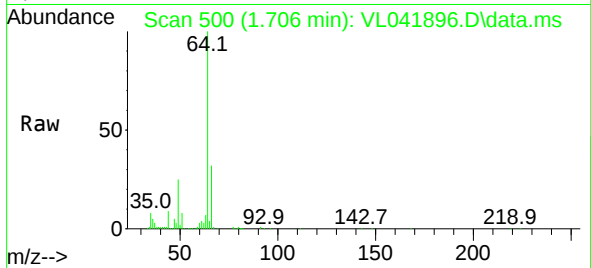




#7  
Chloroethane  
Concen: 10.333 ppbv  
RT: 1.706 min Scan# 501  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

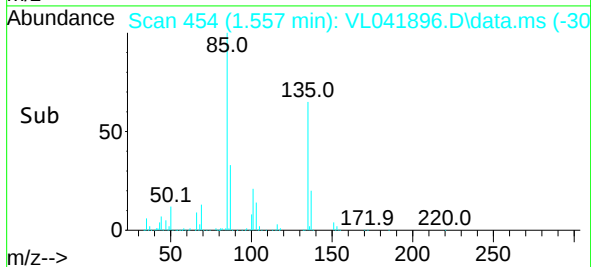
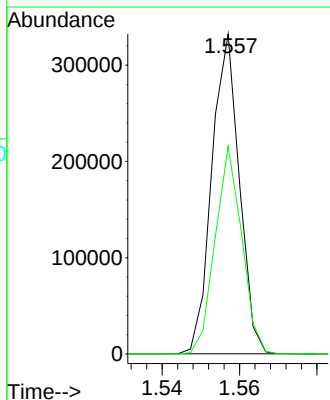
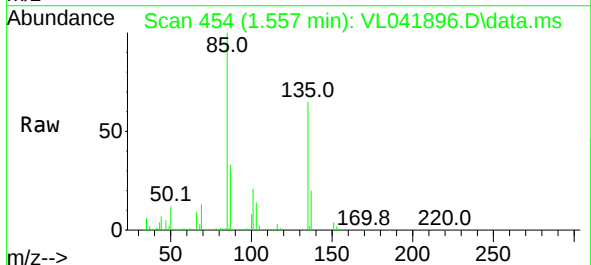
Instrument :  
MSVOA\_L  
ClientSampleId :

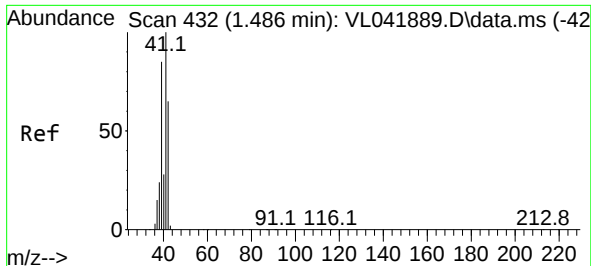
Tgt Ion: 64 Resp: 29553  
Ion Ratio Lower Upper  
64 100  
66 32.0 25.7 38.5



#8  
Dichlorotetrafluoroethane  
Concen: 9.712 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 85 Resp: 163783  
Ion Ratio Lower Upper  
85 100  
135 63.0 50.0 75.0





#9

Propene

Concen: 9.886 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

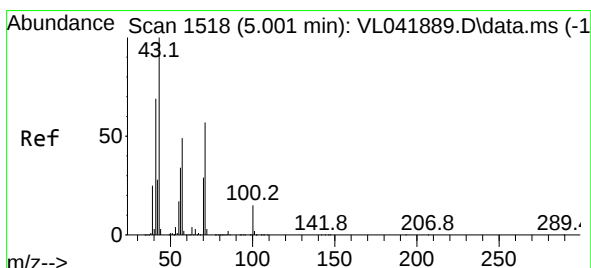
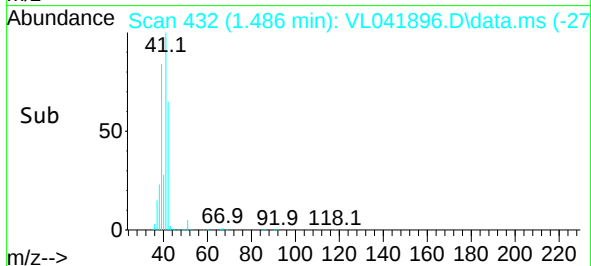
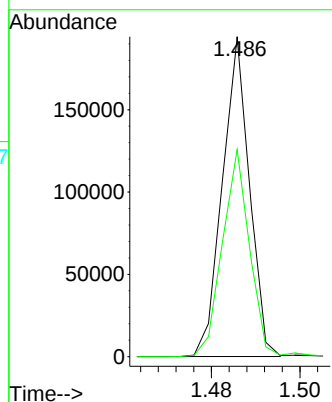
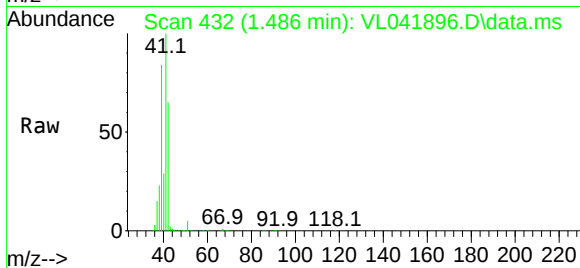
ClientSampleId :

Tgt Ion: 41 Resp: 82320

Ion Ratio Lower Upper

41 100

42 65.9 52.0 78.0



#10

Heptane

Concen: 10.119 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. -0.003 min

Lab File: VL041896.D

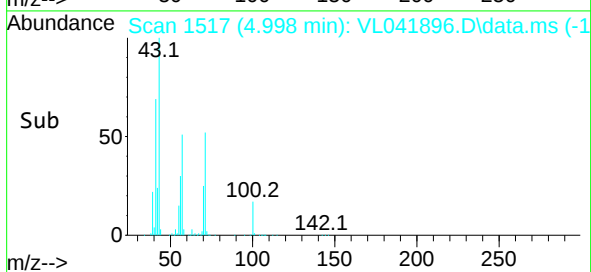
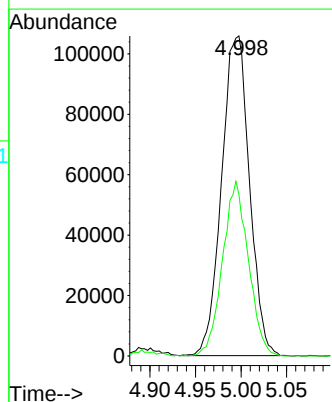
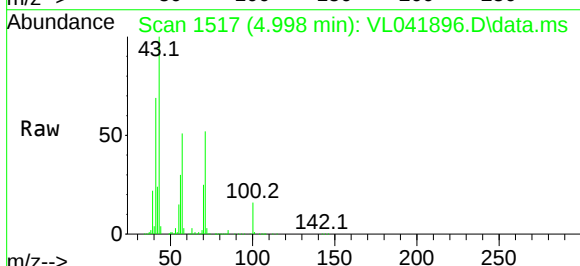
Acq: 14 Jan 2025 17:33

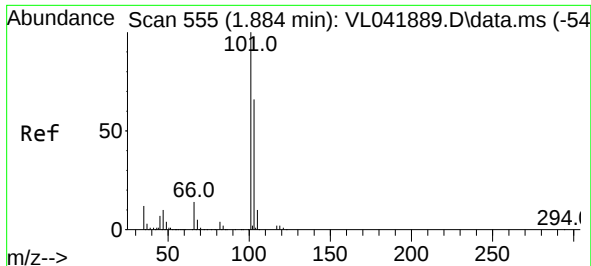
Tgt Ion: 43 Resp: 225230

Ion Ratio Lower Upper

43 100

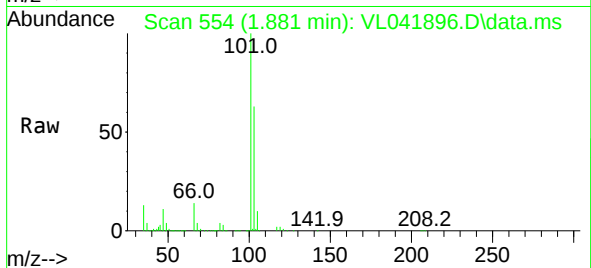
57 50.6 41.0 61.4



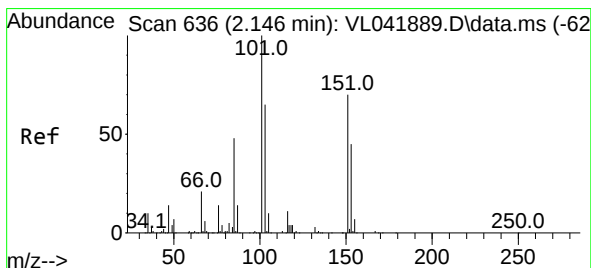
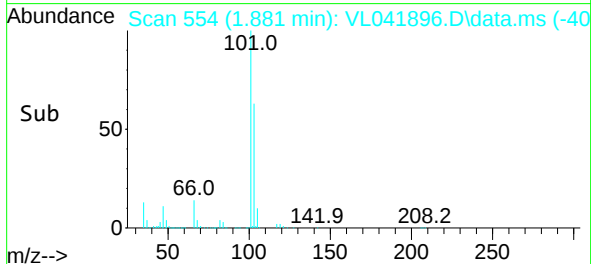
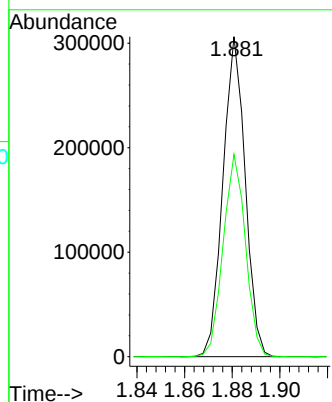


#11  
Trichlorofluoromethane  
Concen: 9.890 ppbv  
RT: 1.881 min Scan# 511  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Instrument :  
MSVOA\_L  
ClientSampleId :

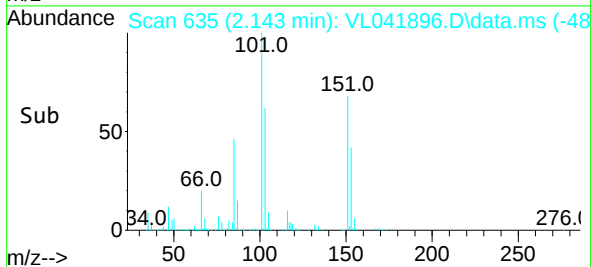
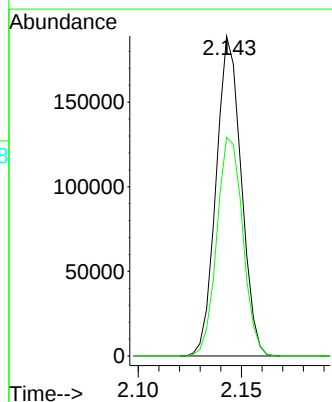
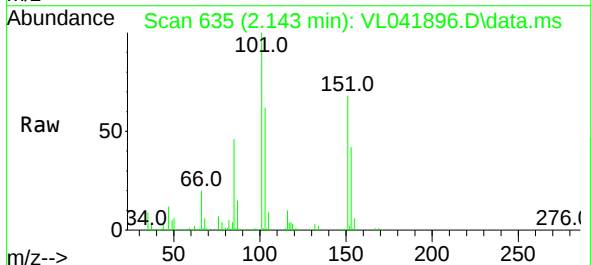


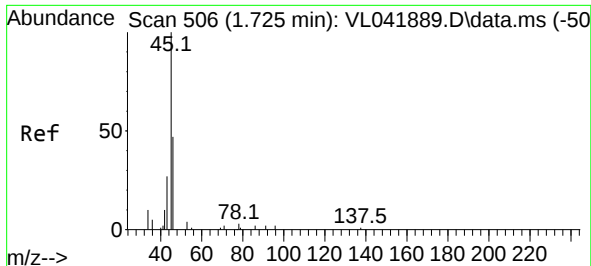
Tgt Ion:101 Resp: 198523  
Ion Ratio Lower Upper  
101 100  
103 63.2 53.1 79.7



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 10.162 ppbv  
RT: 2.143 min Scan# 635  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

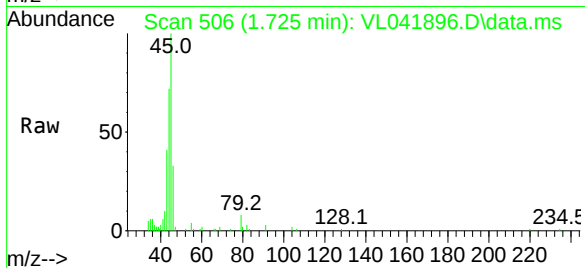
Tgt Ion:101 Resp: 159862  
Ion Ratio Lower Upper  
101 100  
151 70.5 56.1 84.1



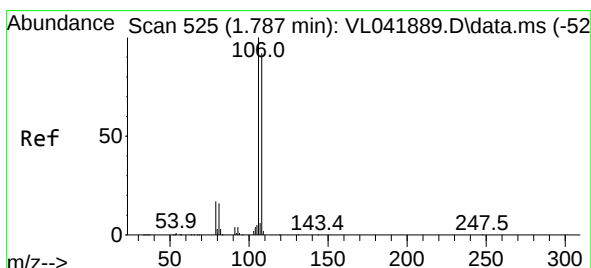
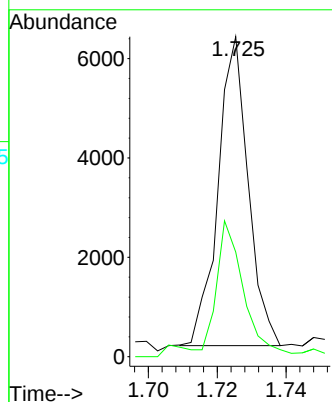
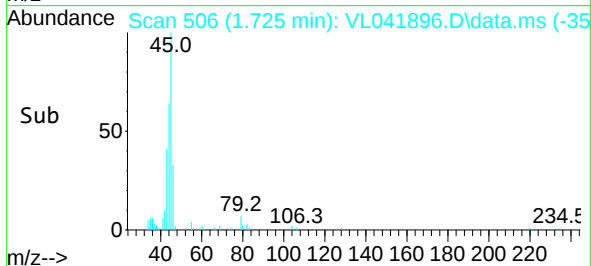


#13  
Ethanol  
Concen: 6.197 ppbv  
RT: 1.725 min Scan# 506  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

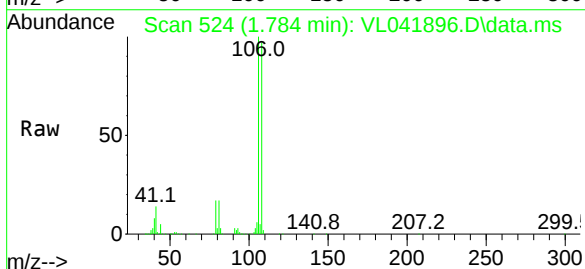
Instrument :  
MSVOA\_L  
ClientSampleId :



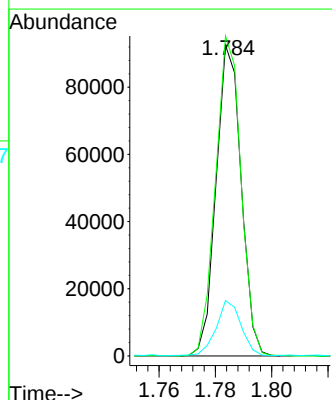
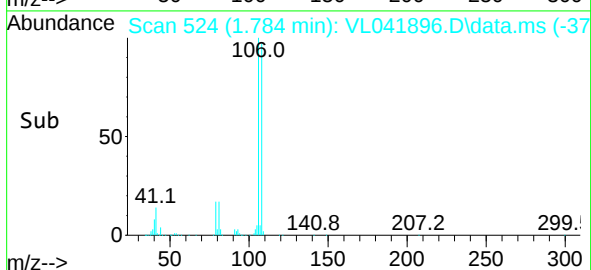
Tgt Ion: 45 Resp: 3780  
Ion Ratio Lower Upper  
45 100  
46 47.3 18.1 72.5

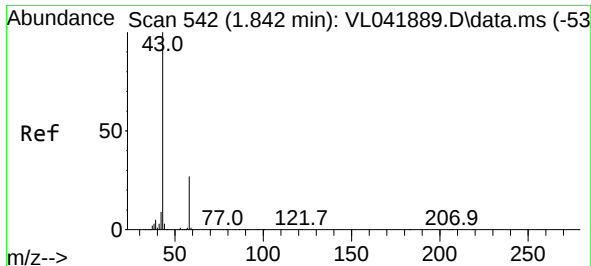


#14  
Bromoethene  
Concen: 9.941 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33



Tgt Ion: 108 Resp: 57260  
Ion Ratio Lower Upper  
108 100  
106 104.5 85.5 128.3  
79 17.8 15.3 22.9

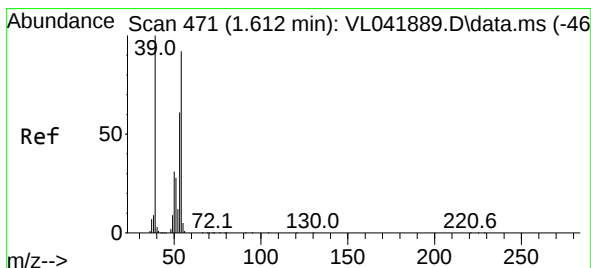
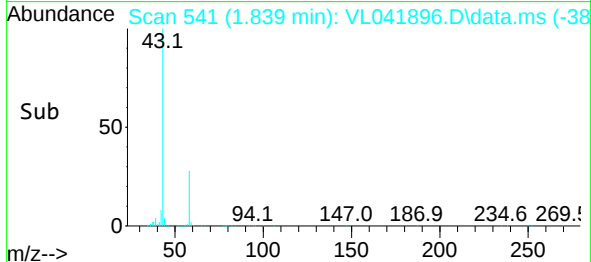
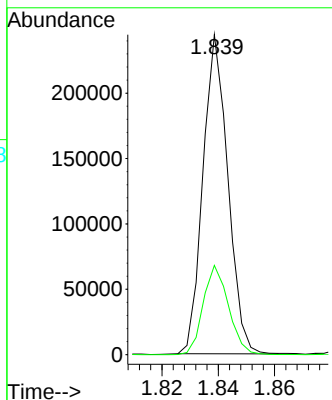
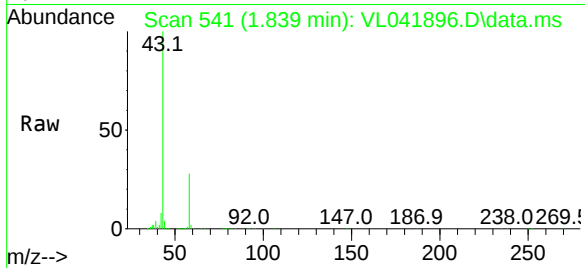




#15  
Acetone  
Concen: 8.822 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

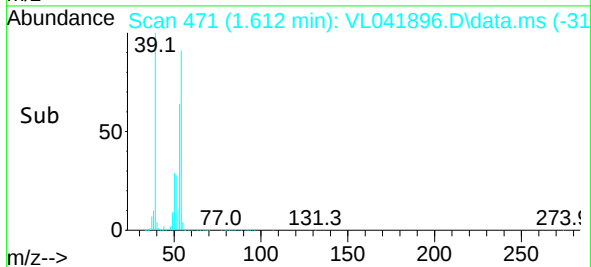
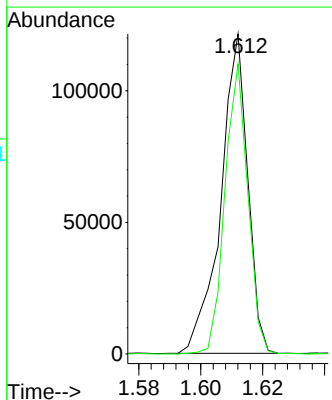
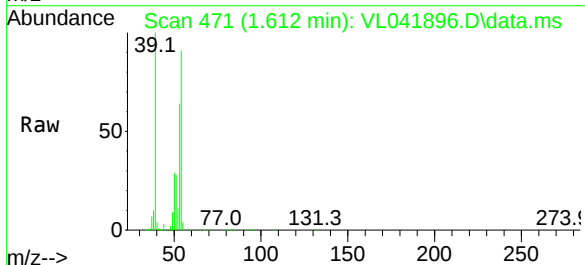
Instrument :  
MSVOA\_L  
ClientSampleId :

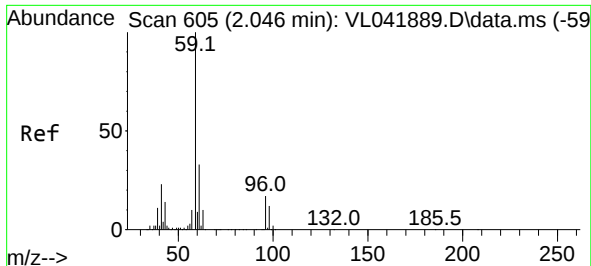
Tgt Ion: 43 Resp: 150112  
Ion Ratio Lower Upper  
43 100  
58 28.5 21.9 32.9



#16  
1,3-Butadiene  
Concen: 9.643 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 39 Resp: 73640  
Ion Ratio Lower Upper  
39 100  
54 77.0 61.6 92.4





#17

tert-Butyl alcohol

Concen: 9.758 ppbv

RT: 2.046 min Scan# 605

Delta R.T. 0.000 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

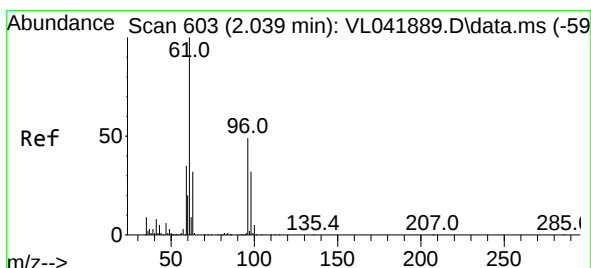
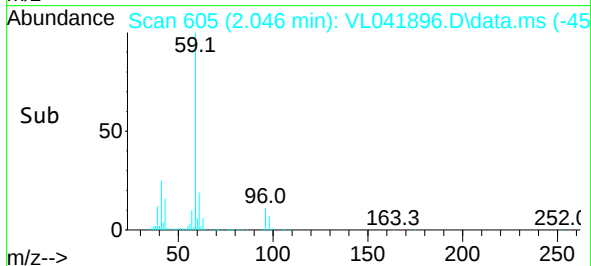
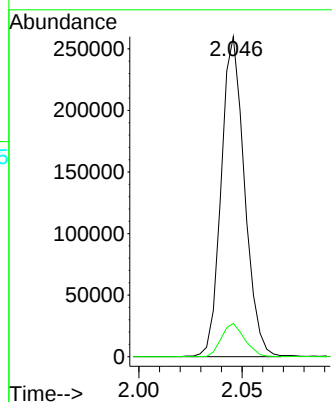
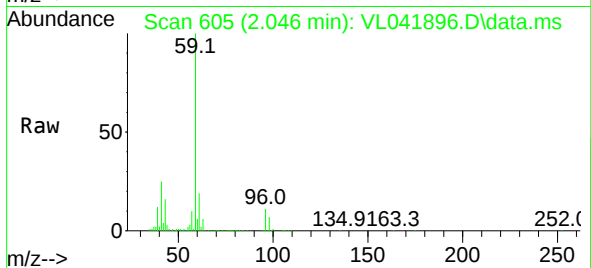
ClientSampleId :

Tgt Ion: 59 Resp: 204358

Ion Ratio Lower Upper

59 100

57 10.4 7.8 11.8



#18

1,1-Dichloroethene

Concen: 10.015 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.000 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

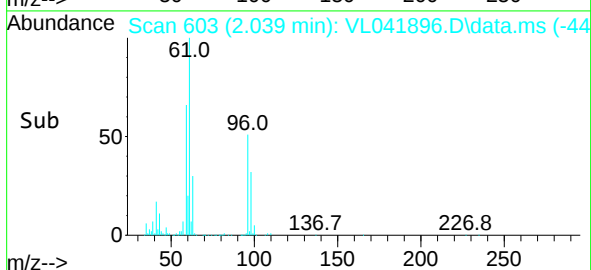
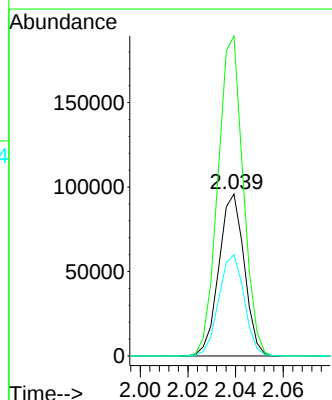
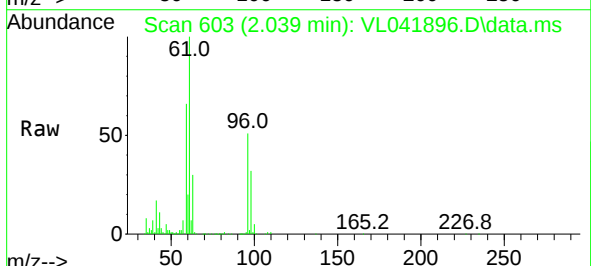
Tgt Ion: 96 Resp: 71011

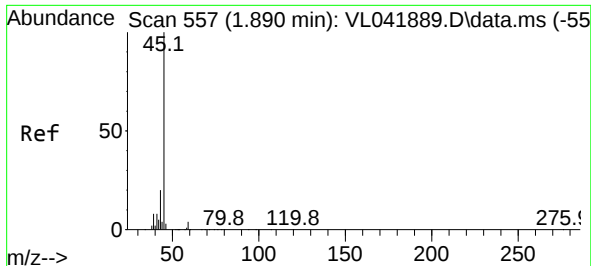
Ion Ratio Lower Upper

96 100

61 197.6 163.1 244.7

98 62.5 52.7 79.1

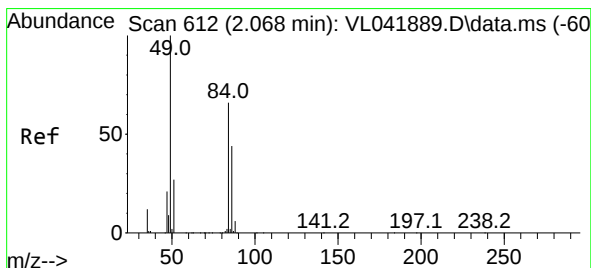
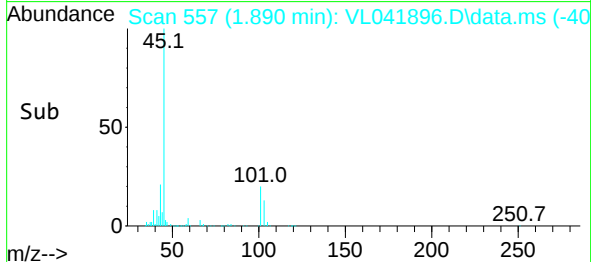
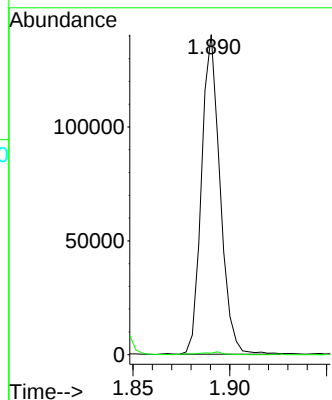
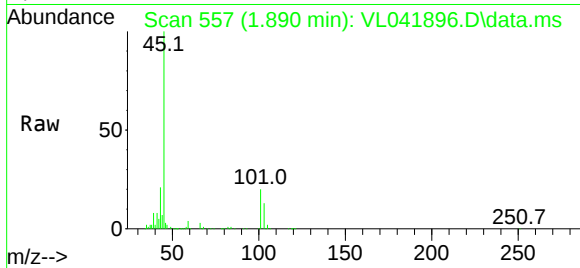




#19  
Isopropyl Alcohol  
Concen: 9.277 ppbv  
RT: 1.890 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

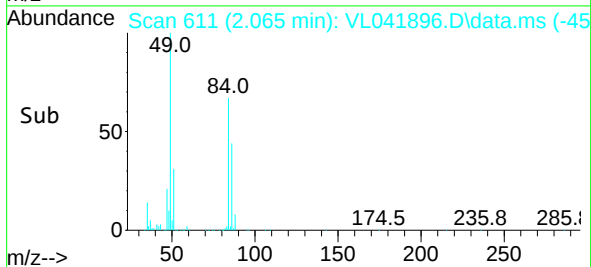
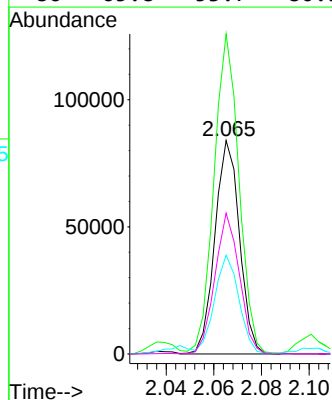
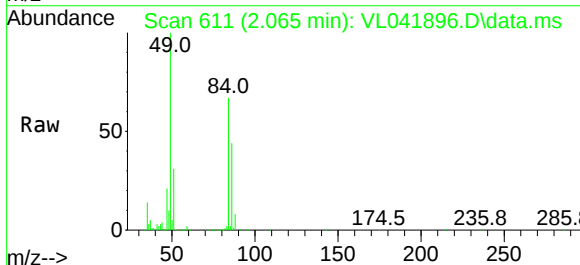
Instrument :  
MSVOA\_L  
ClientSampleId :

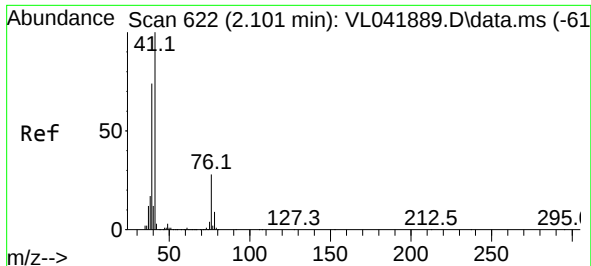
Tgt Ion: 45 Resp: 93592  
Ion Ratio Lower Upper  
45 100  
58 45.7 35.0 52.6



#20  
Methylene Chloride  
Concen: 8.940 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 84 Resp: 60115  
Ion Ratio Lower Upper  
84 100  
49 149.4 123.1 184.7  
51 45.9 35.8 53.8  
86 65.8 53.7 80.5





#21

Allyl Chloride

Concen: 10.092 ppbv

RT: 2.101 min Scan# 61

Delta R.T. 0.000 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

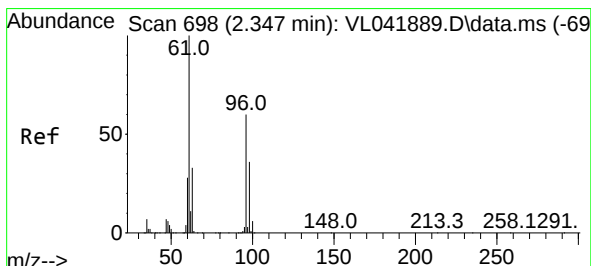
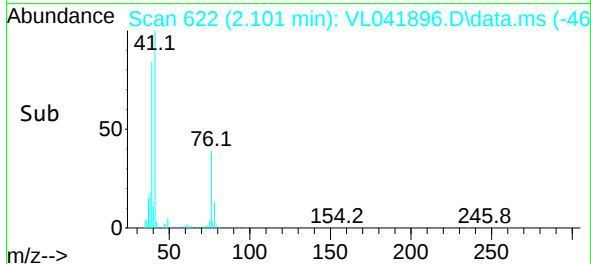
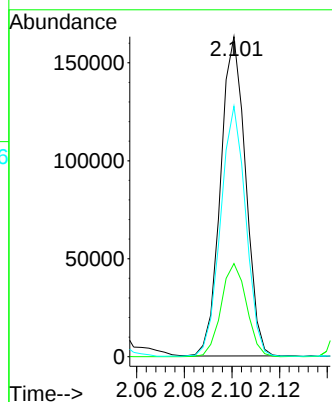
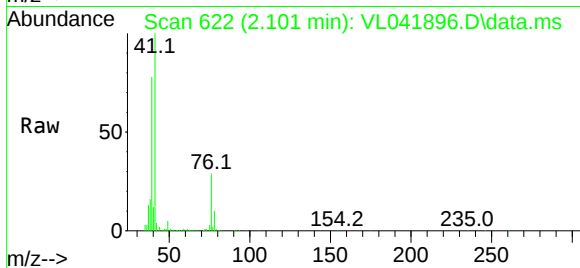
Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 41 Resp: 118907

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 29.5  | 24.2  | 36.4  |
| 39  | 78.5  | 60.6  | 91.0  |



#22

trans-1,2-Dichloroethene

Concen: 9.669 ppbv

RT: 2.347 min Scan# 698

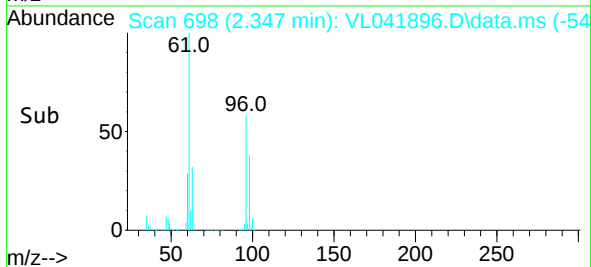
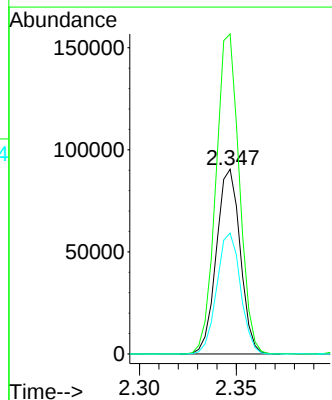
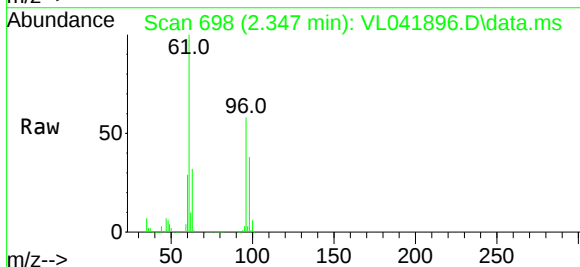
Delta R.T. 0.000 min

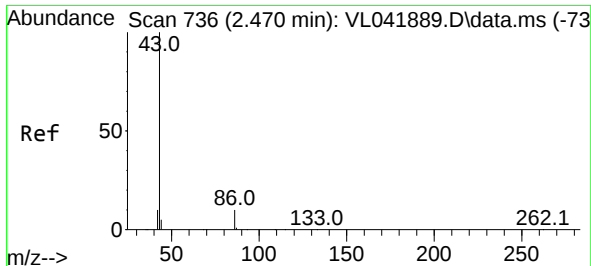
Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Tgt Ion: 96 Resp: 77379

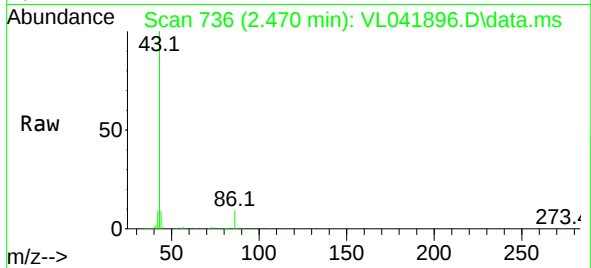
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 173.3 | 134.5 | 201.7 |
| 98  | 65.4  | 48.9  | 73.3  |



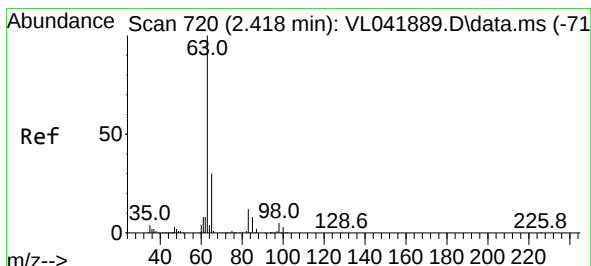
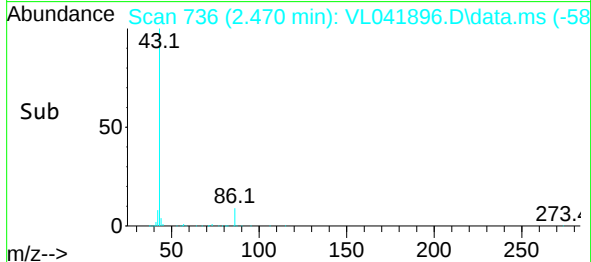
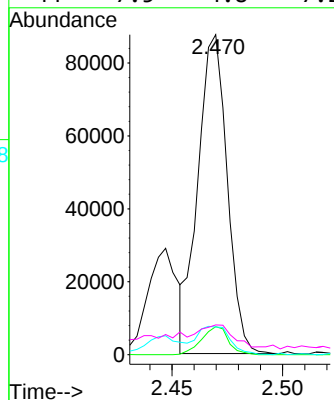


#23  
 Vinyl Acetate  
 Concen: 9.536 ppbv  
 RT: 2.470 min Scan# 719  
 Delta R.T. 0.000 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Instrument :  
 MSVOA\_L  
 ClientSampleId :

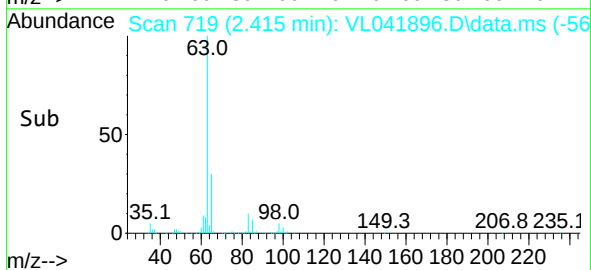
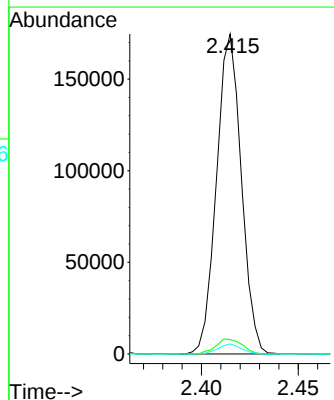
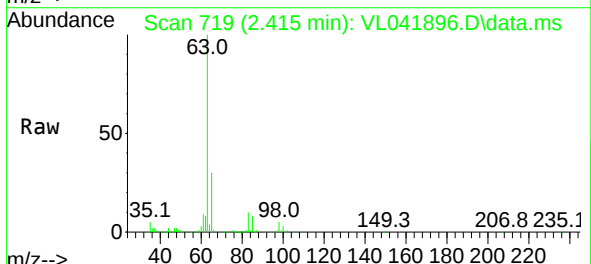


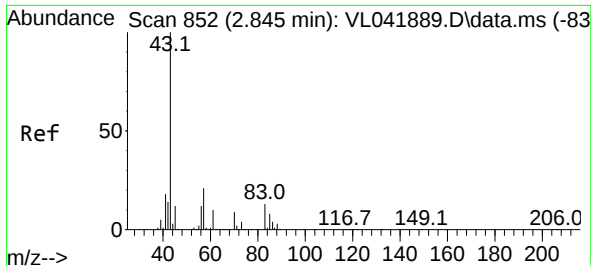
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 80428 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 86 8.8      | 6.2 9.4     |
| 42 7.9      | 8.5 12.7#   |
| 44 7.5      | 4.8 7.2#    |



#24  
 1,1-Dichloroethane  
 Concen: 10.042 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. -0.003 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

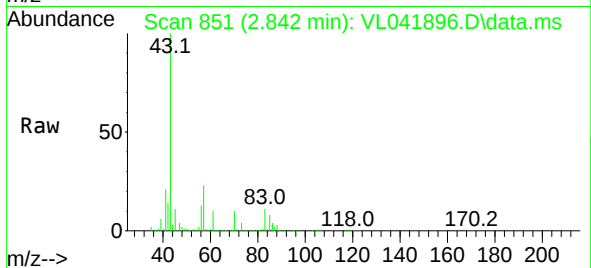
|             |              |
|-------------|--------------|
| Tgt Ion: 63 | Resp: 155440 |
| Ion Ratio   | Lower Upper  |
| 63 100      |              |
| 98 4.5      | 2.6 7.8      |
| 100 3.1     | 1.4 4.2      |



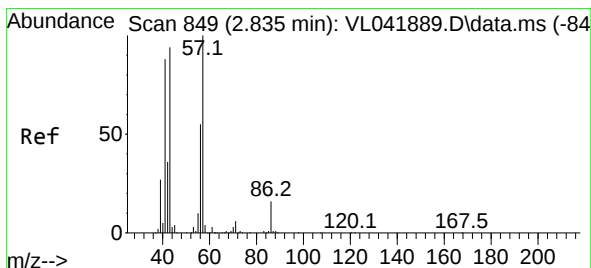
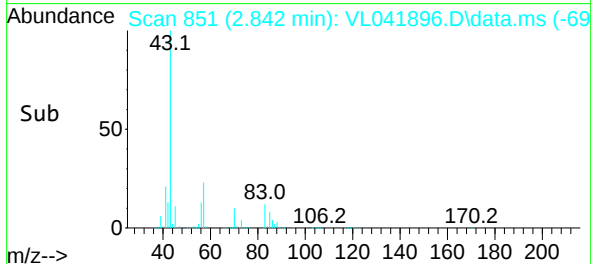
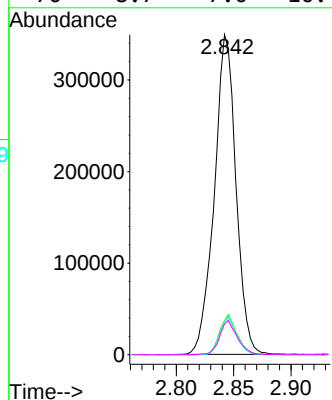


#25  
Ethyl Acetate  
Concen: 9.993 ppbv  
RT: 2.842 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Instrument :  
MSVOA\_L  
ClientSampleId :

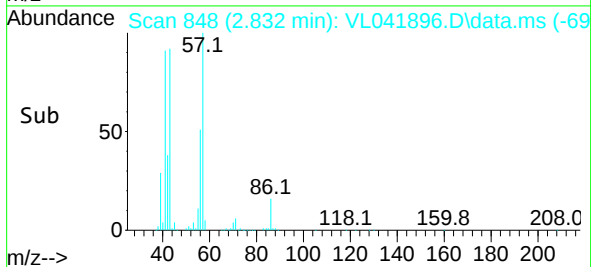
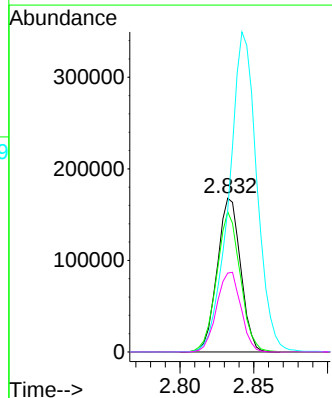
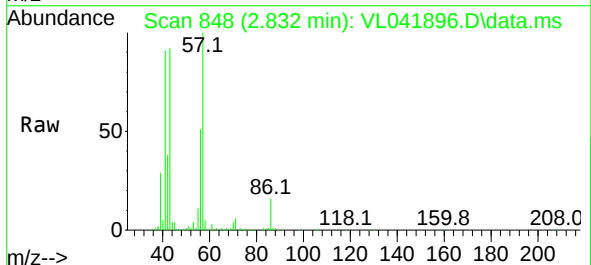


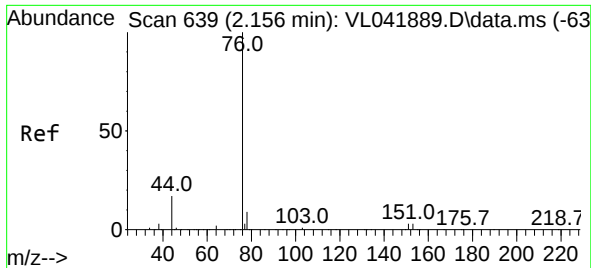
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 458484 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 45 9.9      | 8.2 12.2     |
| 61 9.3      | 7.4 11.0     |
| 70 8.7      | 7.0 10.4     |



#26  
Hexane  
Concen: 10.164 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 184436 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 92.4     | 73.8 110.8   |
| 43 249.6    | 197.3 295.9  |
| 56 53.7     | 42.7 64.1    |

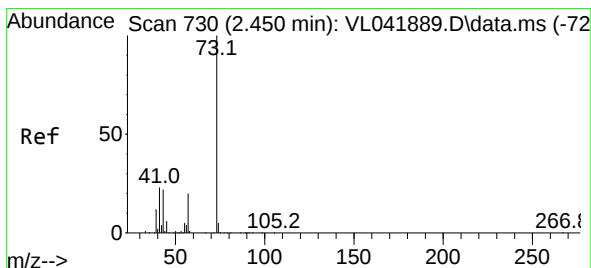
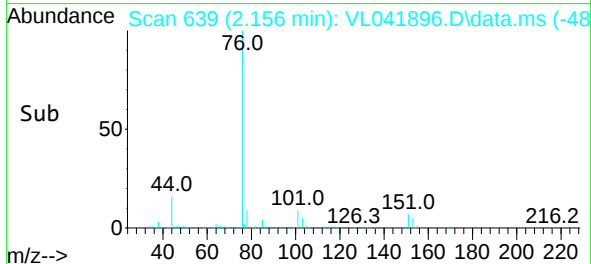
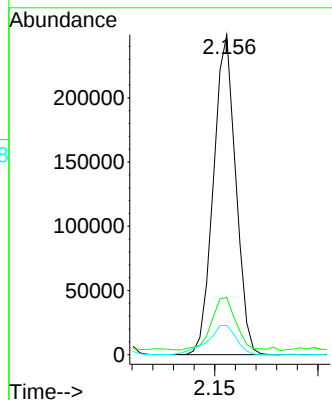
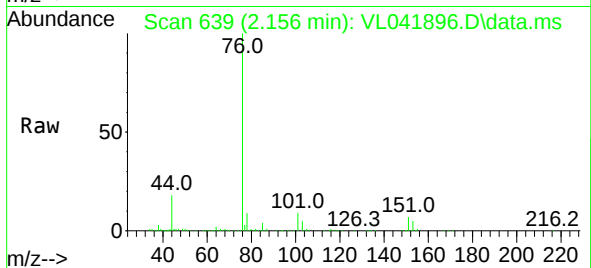




#27  
Carbon Disulfide  
Concen: 10.395 ppbv  
RT: 2.156 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

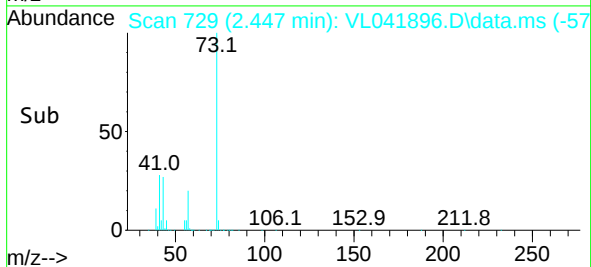
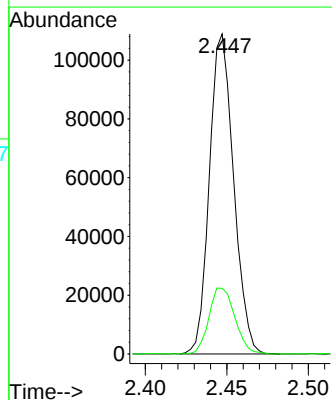
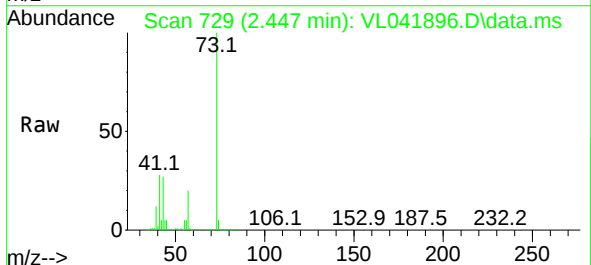
Instrument :  
MSVOA\_L  
ClientSampleId :

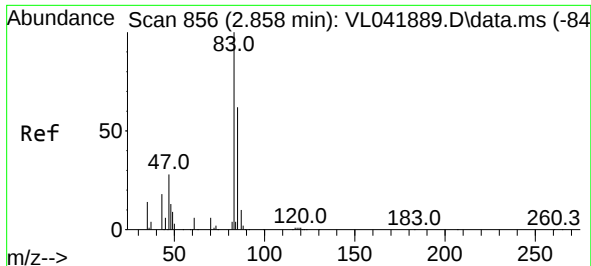
Tgt Ion: 76 Resp: 186668  
Ion Ratio Lower Upper  
76 100  
44 18.0 15.4 23.0  
78 11.9 9.3 13.9



#28  
Methyl tert-Butyl Ether  
Concen: 8.110 ppbv  
RT: 2.447 min Scan# 729  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 73 Resp: 112489  
Ion Ratio Lower Upper  
73 100  
57 22.2 18.1 27.1





#29

Chloroform

Concen: 9.847 ppbv

RT: 2.855 min Scan# 81

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

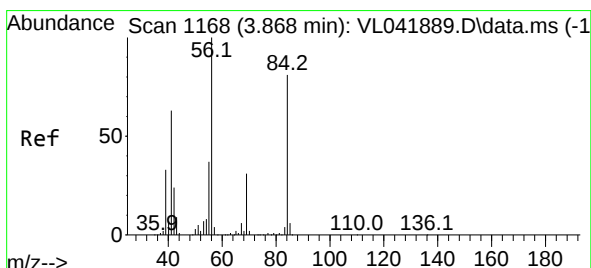
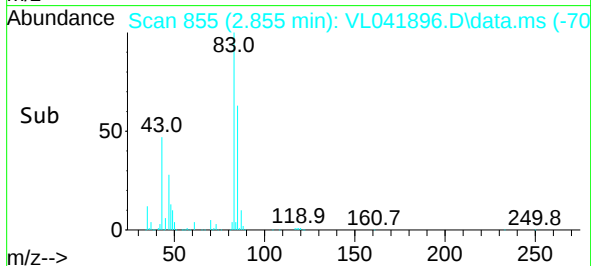
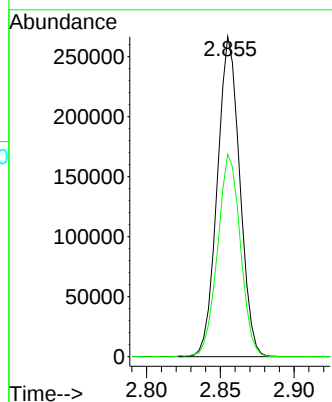
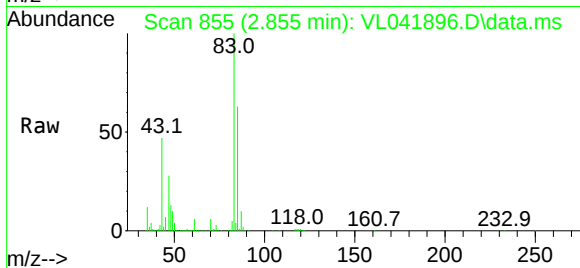
ClientSampleId :

Tgt Ion: 83 Resp: 282467

Ion Ratio Lower Upper

83 100

85 63.3 50.1 75.1



#30

Cyclohexane

Concen: 10.120 ppbv

RT: 3.865 min Scan# 1167

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

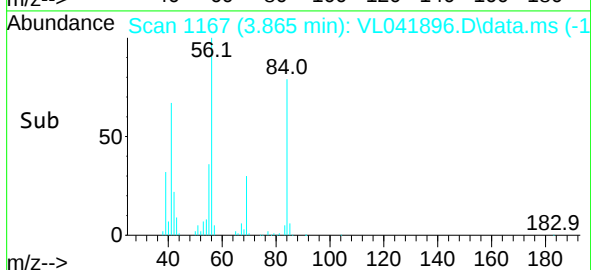
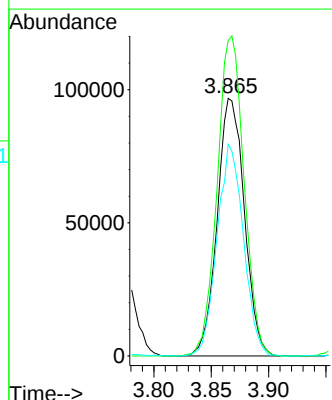
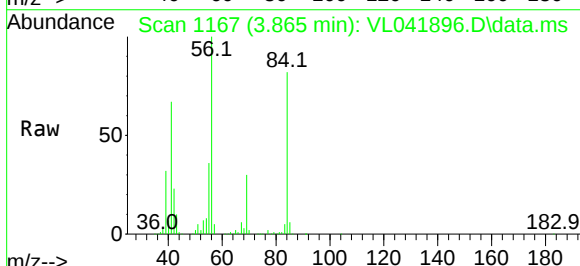
Tgt Ion: 84 Resp: 159296

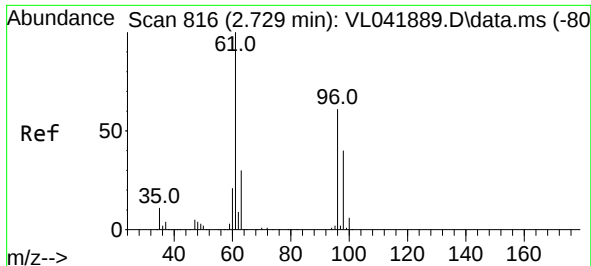
Ion Ratio Lower Upper

84 100

56 123.1 99.3 148.9

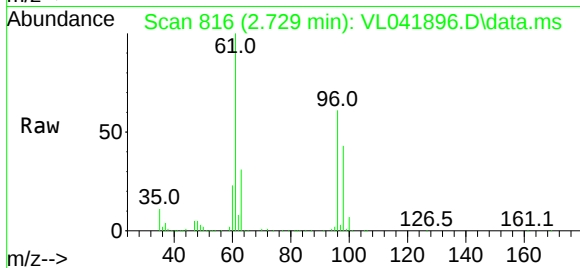
41 79.9 64.3 96.5





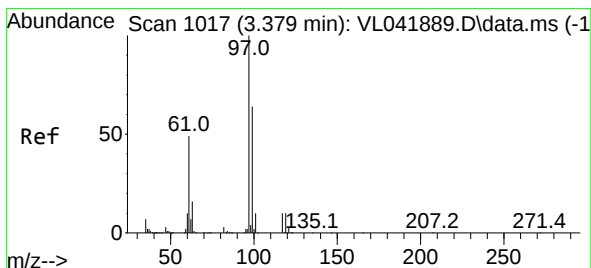
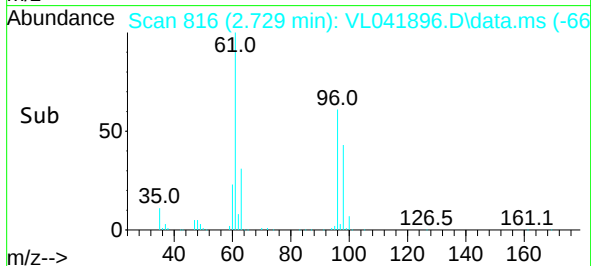
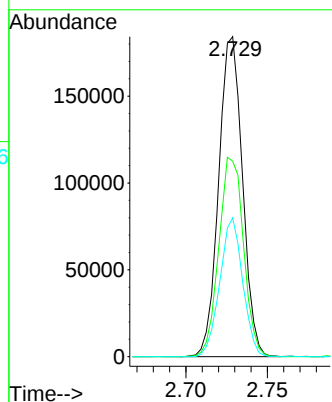
#31  
 cis-1,2-Dichloroethene  
 Concen: 9.787 ppbv  
 RT: 2.729 min Scan# 816  
 Delta R.T. 0.000 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion: 61 Resp: 187012

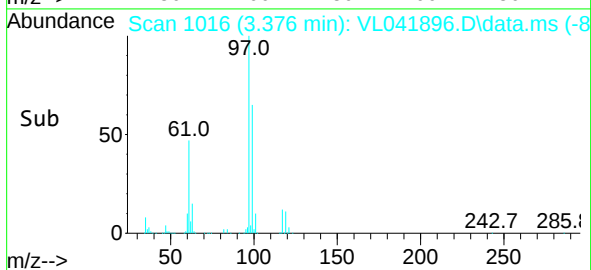
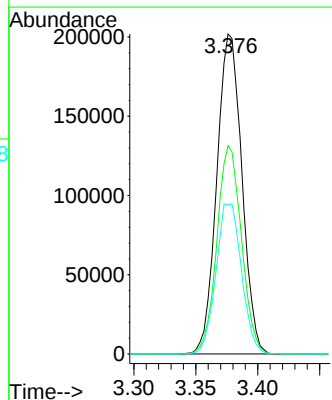
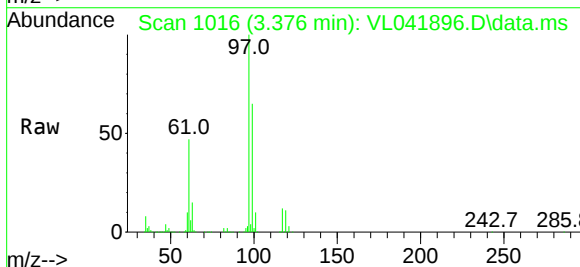
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 61.1  | 48.7  | 73.1  |
| 98  | 43.4  | 31.6  | 47.4  |

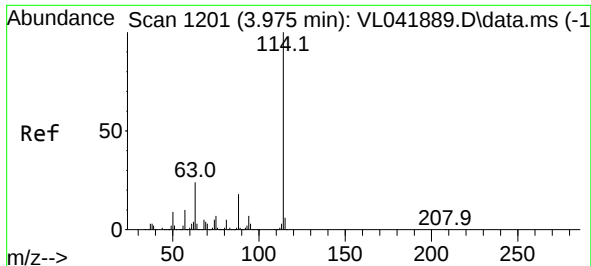


#32  
 1,1,1-Trichloroethane  
 Concen: 10.371 ppbv  
 RT: 3.376 min Scan# 1016  
 Delta R.T. -0.003 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Tgt Ion: 97 Resp: 284661

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 63.7  | 51.1  | 76.7  |
| 61  | 48.0  | 39.0  | 58.6  |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

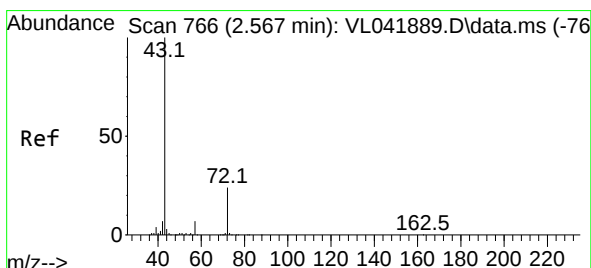
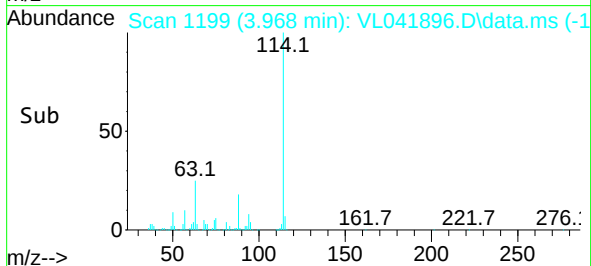
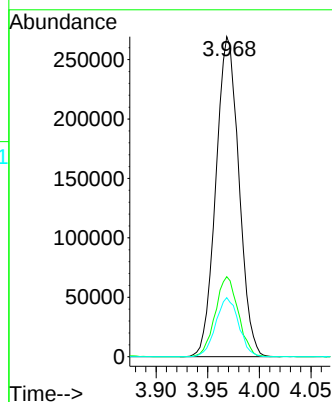
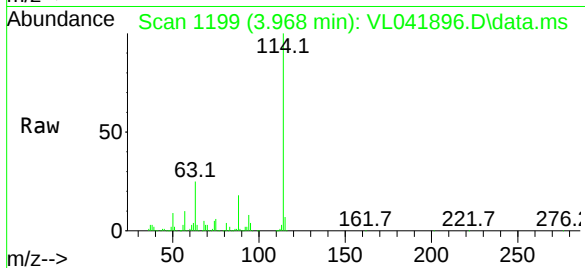
Tgt Ion:114 Resp: 417936

Ion Ratio Lower Upper

114 100

63 25.0 19.8 29.6

88 18.4 14.4 21.6



#34

2-Butanone

Concen: 9.840 ppbv

RT: 2.564 min Scan# 765

Delta R.T. -0.003 min

Lab File: VL041896.D

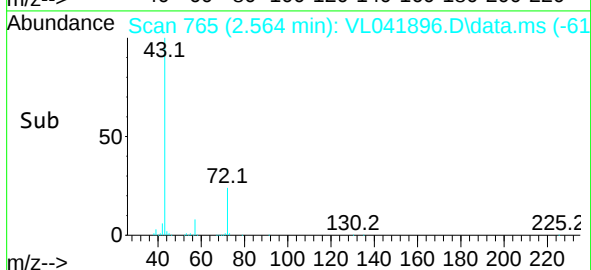
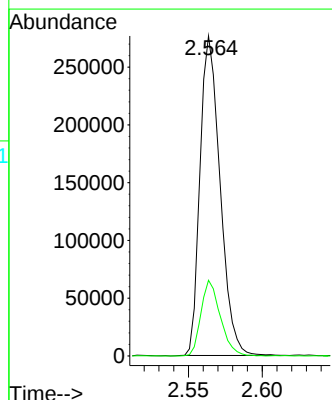
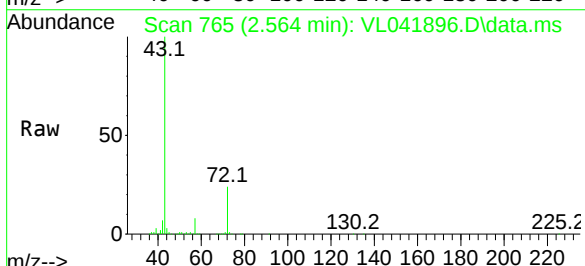
Acq: 14 Jan 2025 17:33

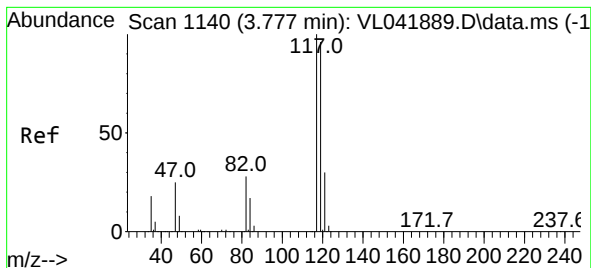
Tgt Ion: 43 Resp: 261536

Ion Ratio Lower Upper

43 100

72 22.8 18.6 28.0





#35

Carbon Tetrachloride

Concen: 10.871 ppbv

RT: 3.771 min Scan# 1138

Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

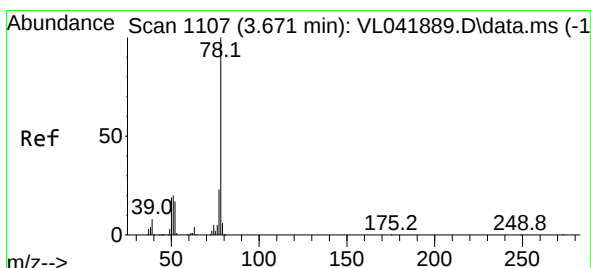
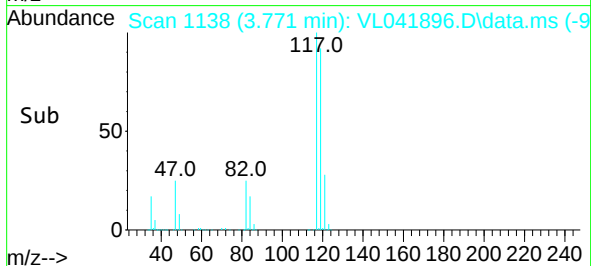
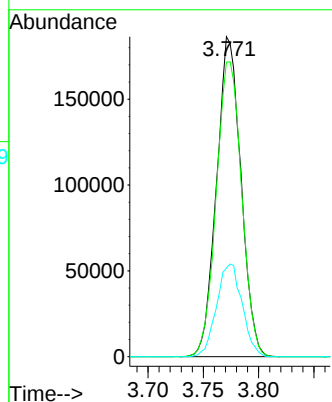
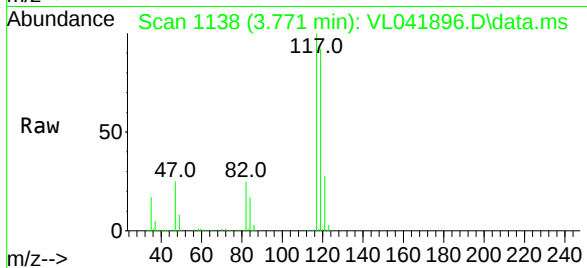
Tgt Ion:117 Resp: 285391

Ion Ratio Lower Upper

117 100

119 92.1 76.9 115.3

121 27.7 23.8 35.6



#36

Benzene

Concen: 9.764 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

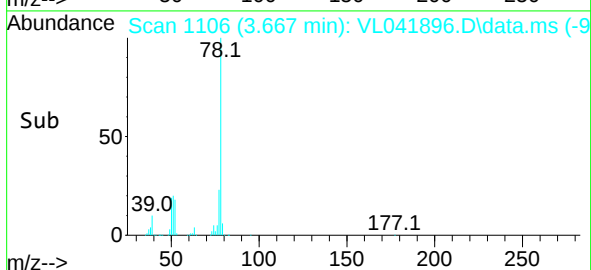
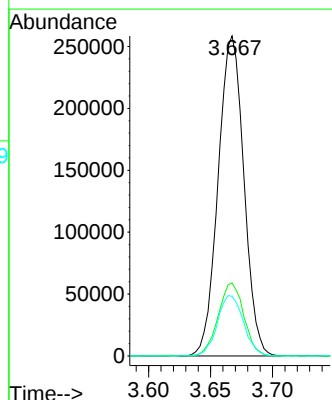
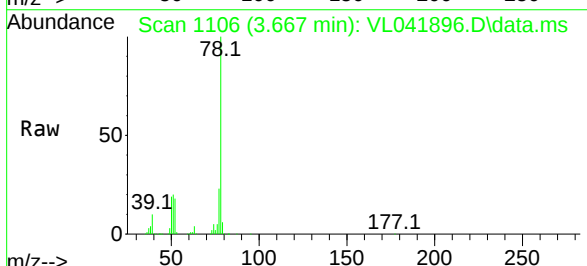
Tgt Ion: 78 Resp: 374271

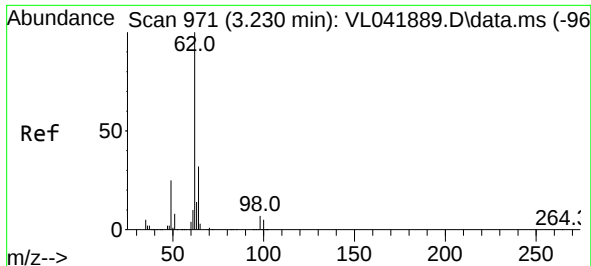
Ion Ratio Lower Upper

78 100

77 22.7 18.1 27.1

50 18.7 15.2 22.8





#37

1,2-Dichloroethane

Concen: 9.966 ppbv

RT: 3.227 min Scan# 91

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

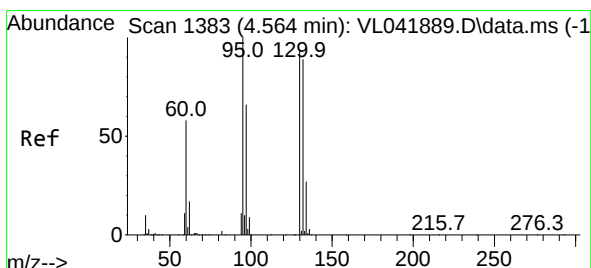
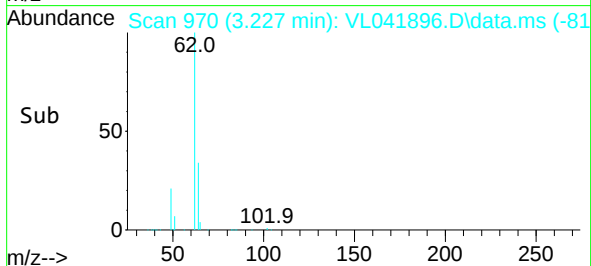
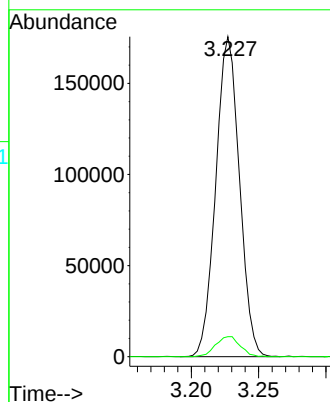
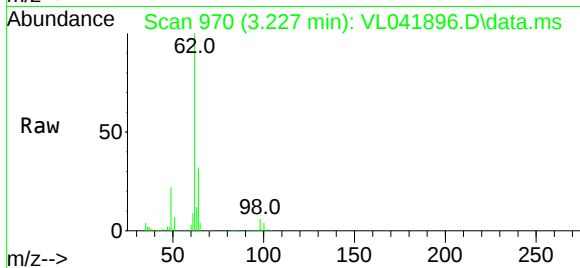
ClientSampleId :

Tgt Ion: 62 Resp: 214545

Ion Ratio Lower Upper

62 100

98 6.5 5.4 8.0



#38

Trichloroethene

Concen: 10.075 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Tgt Ion:130 Resp: 153255

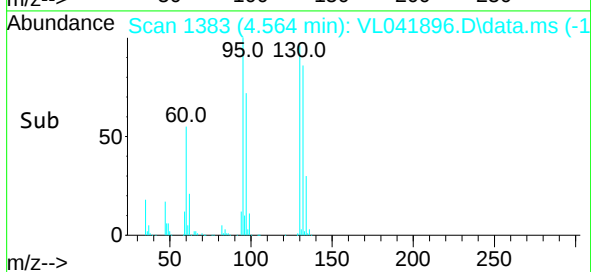
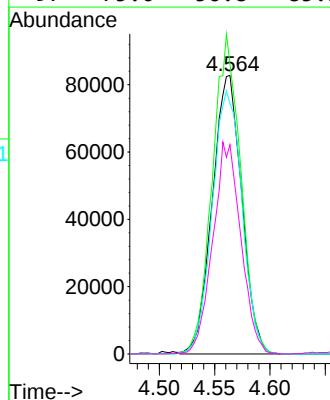
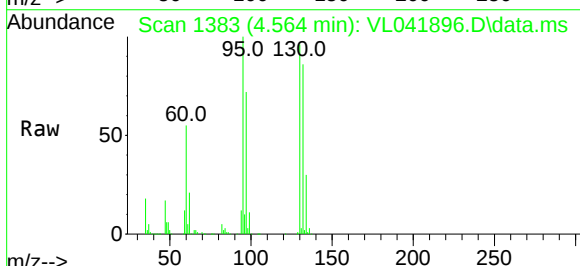
Ion Ratio Lower Upper

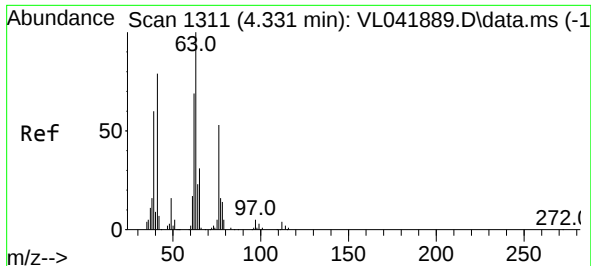
130 100

95 103.9 85.8 128.8

132 89.8 76.5 114.7

97 75.0 56.8 85.2





#39

1,2-Dichloropropane

Concen: 9.704 ppbv

RT: 4.324 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

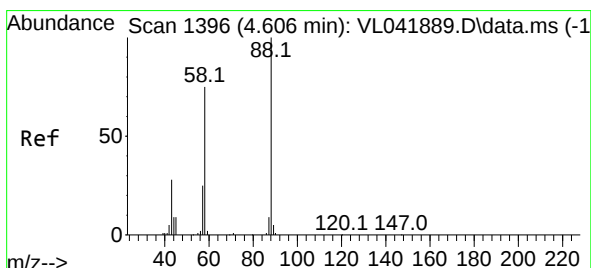
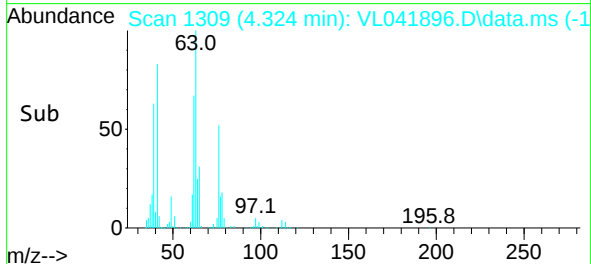
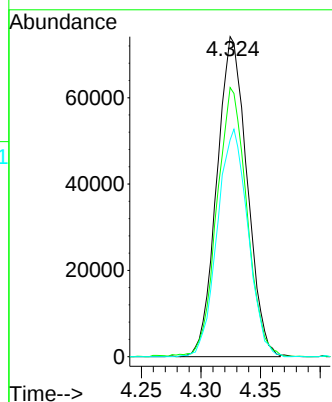
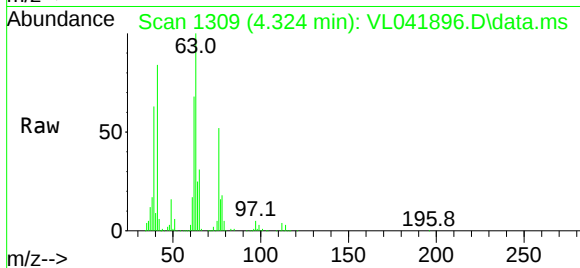
Tgt Ion: 63 Resp: 130483

Ion Ratio Lower Upper

63 100

41 83.4 63.7 95.5

62 67.5 55.4 83.2



#40

1,4-Dioxane

Concen: 9.386 ppbv

RT: 4.599 min Scan# 1394

Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Tgt Ion: 88 Resp: 63736

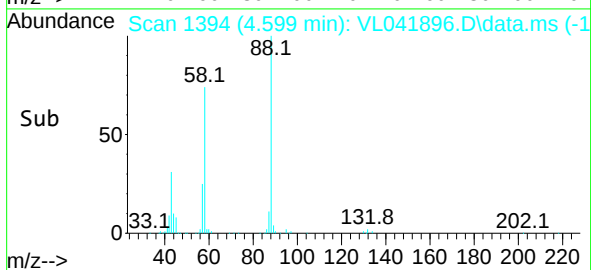
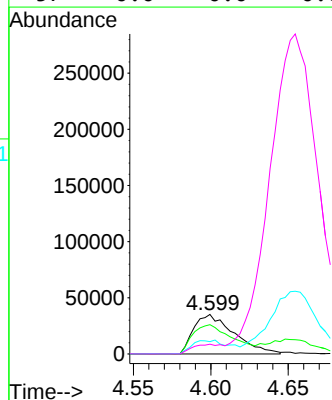
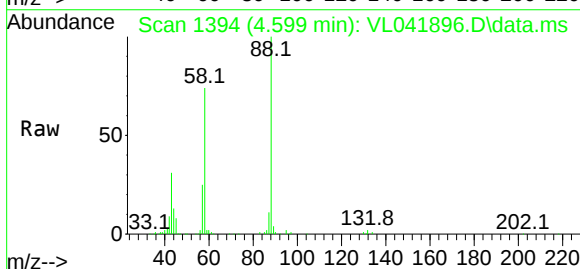
Ion Ratio Lower Upper

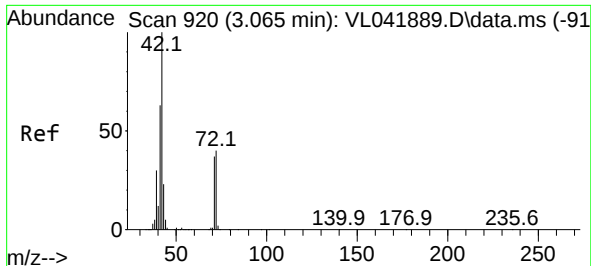
88 100

58 76.7 62.1 93.1

43 28.5 0.0 0.0#

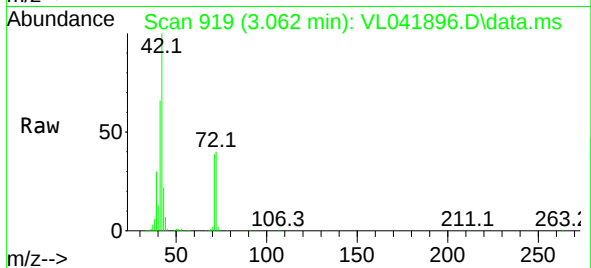
57 0.0 0.0 0.0



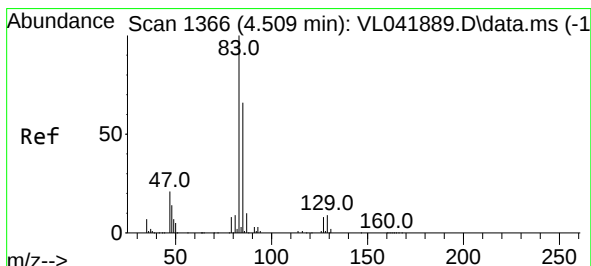
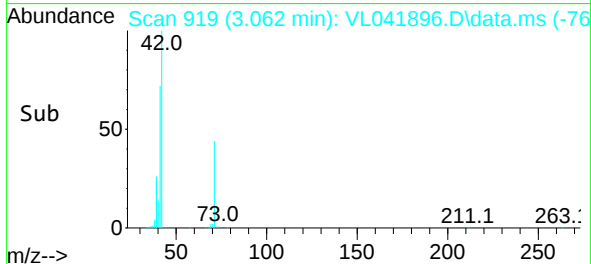
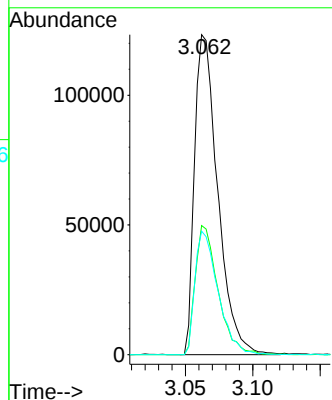


#41  
Tetrahydrofuran  
Concen: 10.255 ppbv  
RT: 3.062 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Instrument :  
MSVOA\_L  
ClientSampleId :

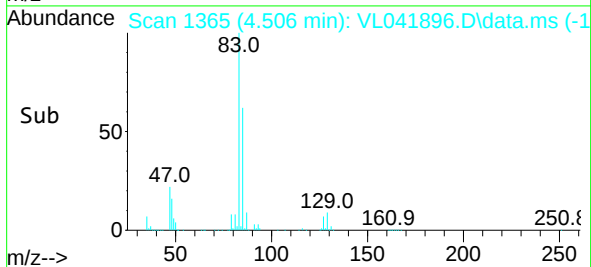
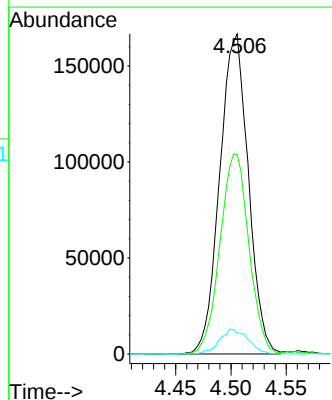
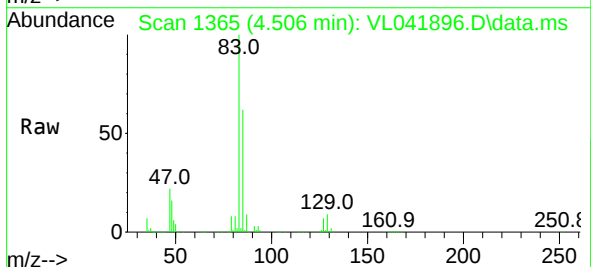


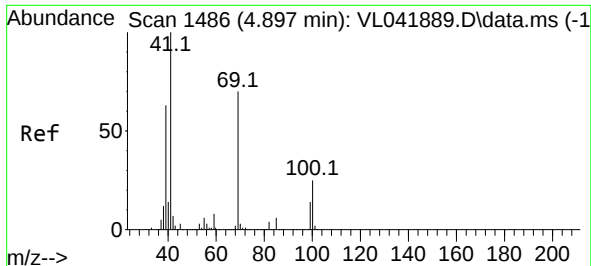
Tgt Ion: 42 Resp: 148132  
Ion Ratio Lower Upper  
42 100  
72 39.5 32.3 48.5  
71 38.4 29.9 44.9



#42  
Bromodichloromethane  
Concen: 10.381 ppbv  
RT: 4.506 min Scan# 1365  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 83 Resp: 299656  
Ion Ratio Lower Upper  
83 100  
85 62.3 52.6 78.8  
127 6.6 6.4 9.6

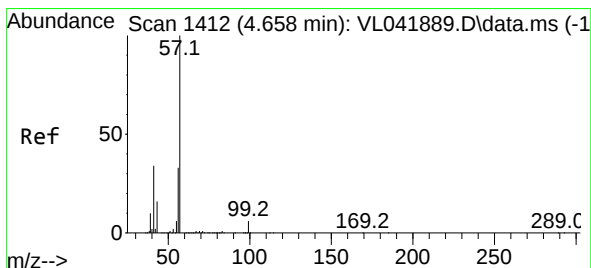
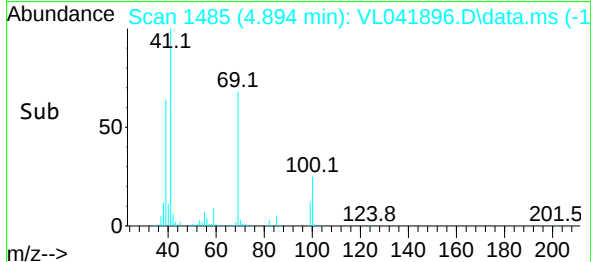
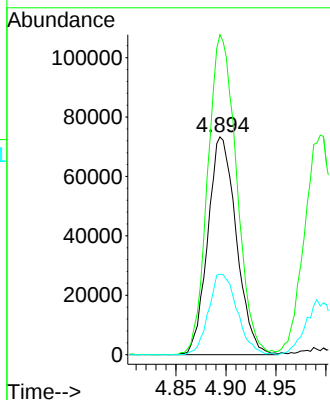
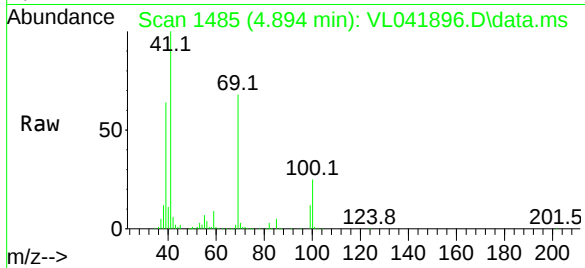




#43  
Methyl Methacrylate  
Concen: 10.229 ppbv  
RT: 4.894 min Scan# 1485  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

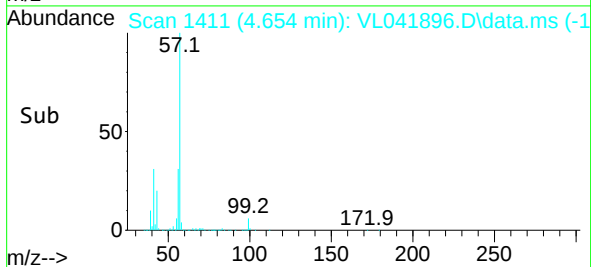
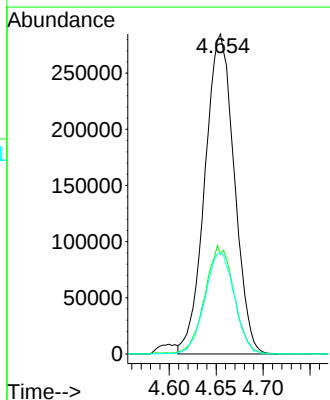
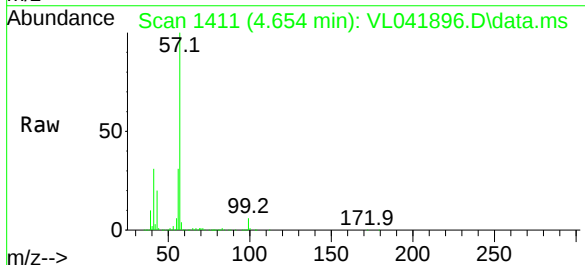
Instrument :  
MSVOA\_L  
ClientSampleId :

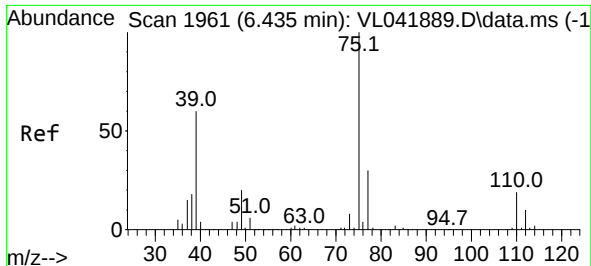
Tgt Ion: 69 Resp: 145663  
Ion Ratio Lower Upper  
69 100  
41 148.1 118.6 177.8  
100 37.1 29.3 43.9



#44  
2,2,4-Trimethylpentane  
Concen: 9.997 ppbv  
RT: 4.654 min Scan# 1411  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 57 Resp: 619804  
Ion Ratio Lower Upper  
57 100  
41 33.8 26.6 40.0  
56 31.9 25.4 38.2

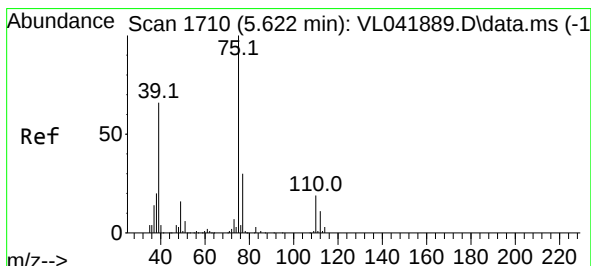
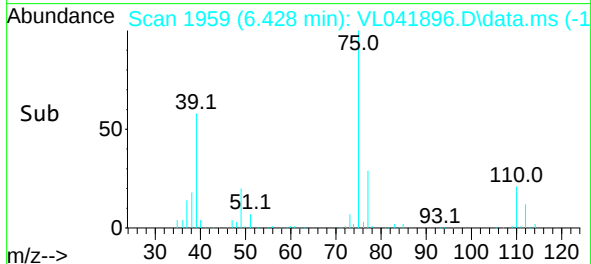
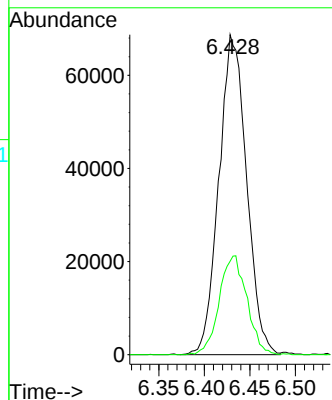
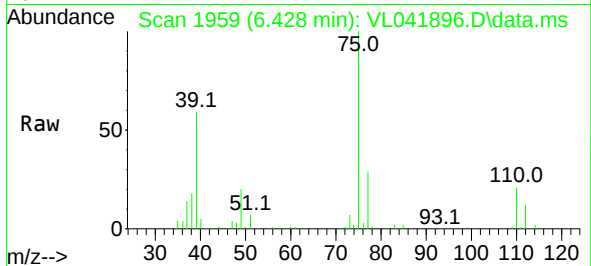




#45  
 t-1,3-Dichloropropene  
 Concen: 10.889 ppbv  
 RT: 6.428 min Scan# 1961  
 Delta R.T. -0.006 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

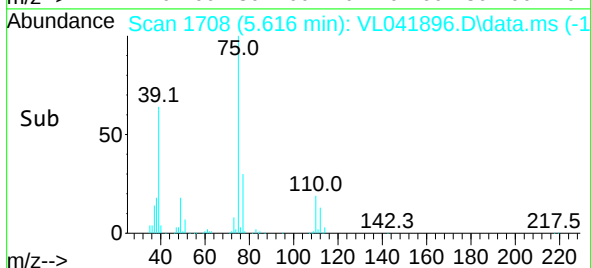
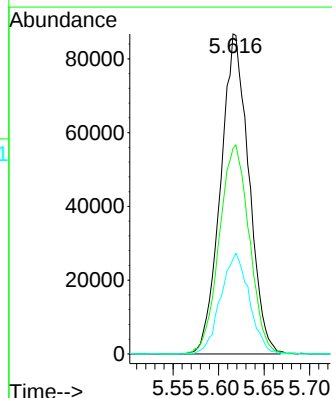
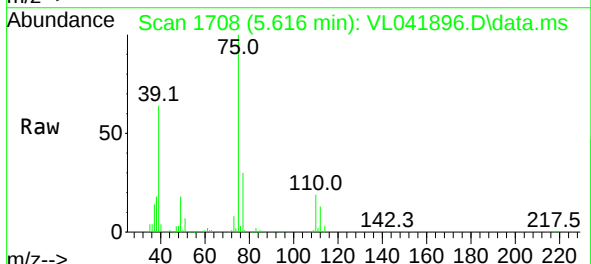
Instrument :  
 MSVOA\_L  
 ClientSampleId :

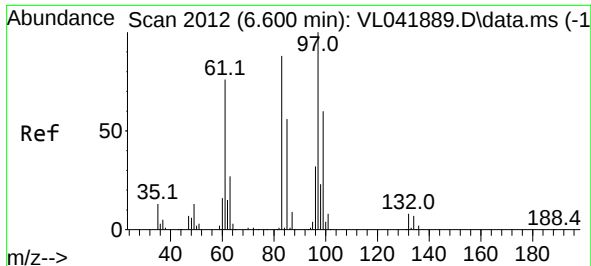
Tgt Ion: 75 Resp: 145145  
 Ion Ratio Lower Upper  
 75 100  
 77 29.2 24.3 36.5



#46  
 cis-1,3-Dichloropropene  
 Concen: 10.680 ppbv  
 RT: 5.616 min Scan# 1708  
 Delta R.T. -0.006 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Tgt Ion: 75 Resp: 186898  
 Ion Ratio Lower Upper  
 75 100  
 39 64.1 53.1 79.7  
 77 29.7 23.8 35.8





#47

1,1,2-Trichloroethane

Concen: 9.886 ppbv

RT: 6.596 min Scan# 20

Delta R.T. -0.003 min

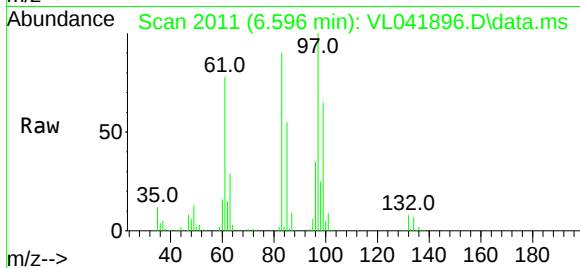
Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion: 97 Resp: 140891

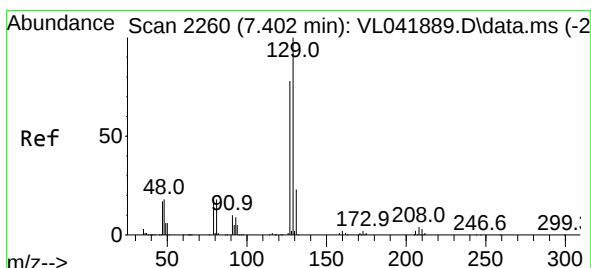
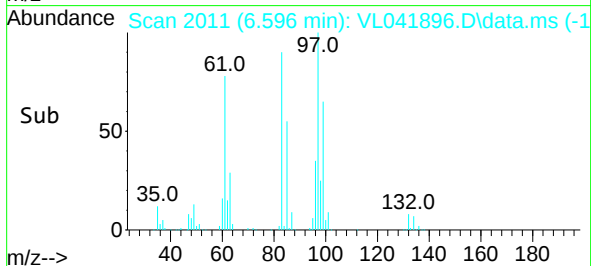
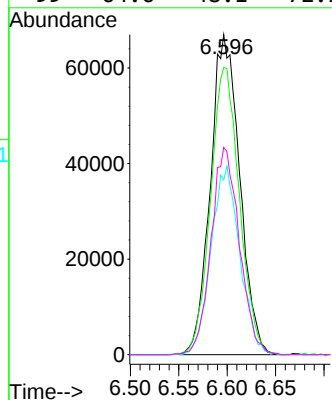
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|    |     |  |  |
|----|-----|--|--|
| 97 | 100 |  |  |
|----|-----|--|--|

|    |      |      |       |
|----|------|------|-------|
| 83 | 89.8 | 70.4 | 105.6 |
|----|------|------|-------|

|    |      |      |      |
|----|------|------|------|
| 85 | 54.6 | 45.0 | 67.4 |
|----|------|------|------|

|    |      |      |      |
|----|------|------|------|
| 99 | 64.6 | 48.1 | 72.1 |
|----|------|------|------|



#48

Dibromochloromethane

Concen: 10.835 ppbv

RT: 7.399 min Scan# 2259

Delta R.T. -0.003 min

Lab File: VL041896.D

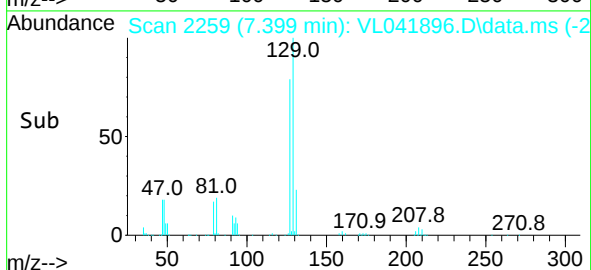
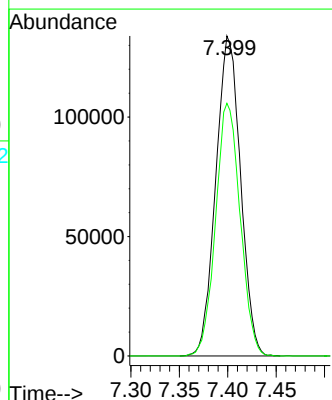
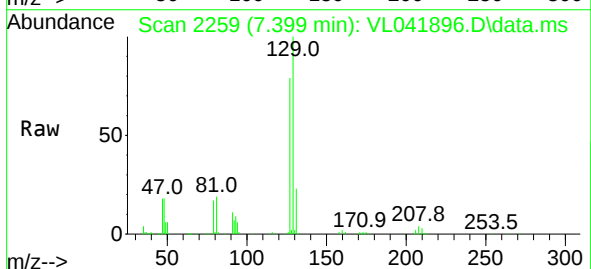
Acq: 14 Jan 2025 17:33

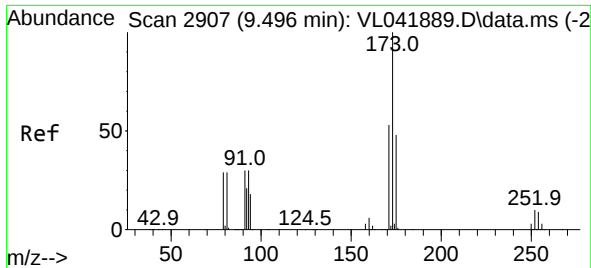
Tgt Ion: 129 Resp: 238244

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
|-----|-------|-------|-------|

|     |     |  |  |
|-----|-----|--|--|
| 129 | 100 |  |  |
|-----|-----|--|--|

|     |      |      |       |
|-----|------|------|-------|
| 127 | 78.4 | 39.3 | 117.8 |
|-----|------|------|-------|





#49

Bromoform

Concen: 11.136 ppbv

RT: 9.493 min Scan# 2907

Delta R.T. -0.003 min

Lab File: VL041896.D

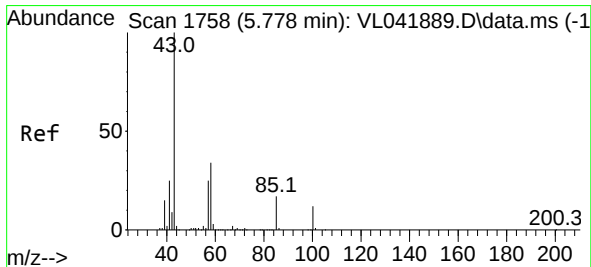
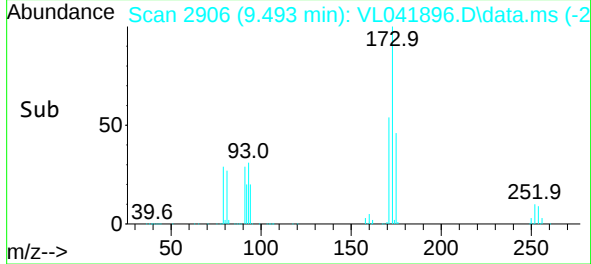
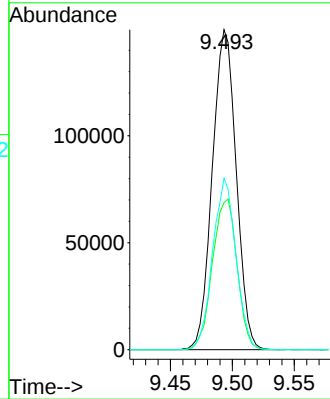
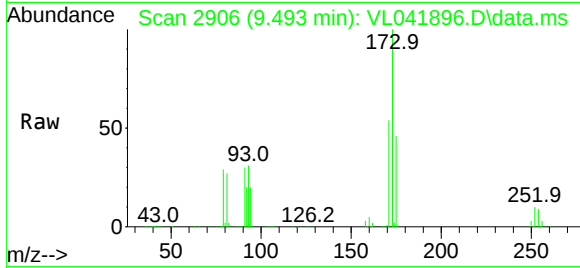
Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

|             |                |
|-------------|----------------|
| Tgt Ion:173 | Resp: 201141   |
| Ion Ratio   | Lower Upper    |
| 173         | 100            |
| 175         | 48.5 38.4 57.6 |
| 171         | 52.2 41.4 62.2 |



#50

4-Methyl-2-Pentanone

Concen: 10.023 ppbv

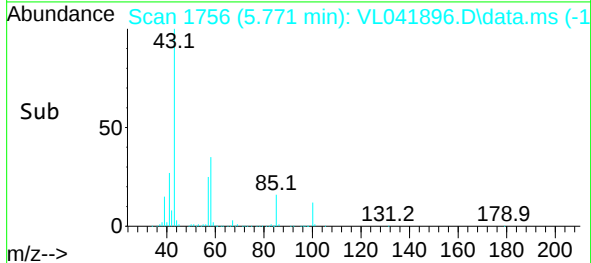
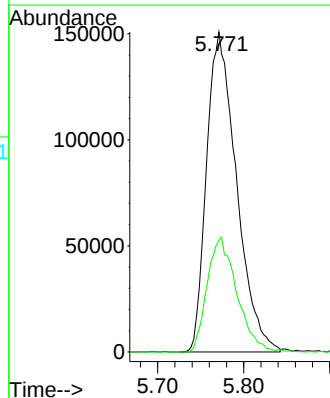
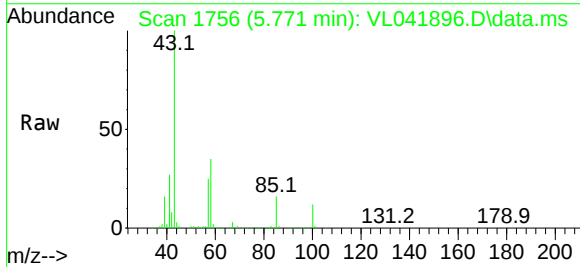
RT: 5.771 min Scan# 1756

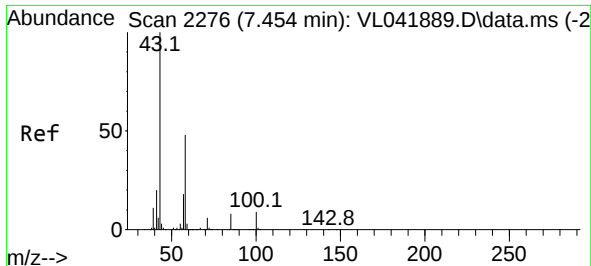
Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 363675   |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 35.6 29.0 43.6 |

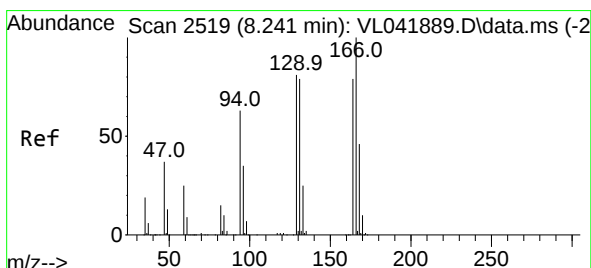
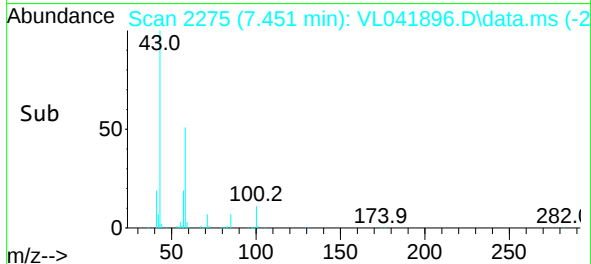
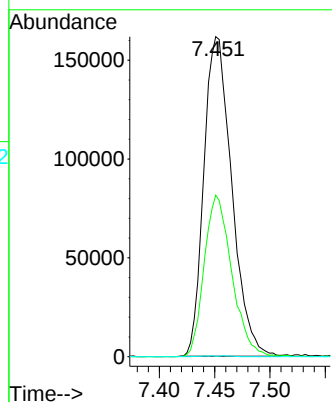
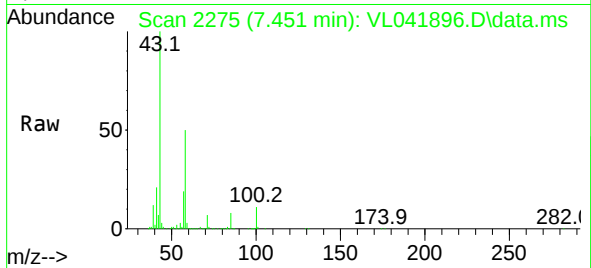




#51  
2-Hexanone  
Concen: 10.189 ppbv  
RT: 7.451 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

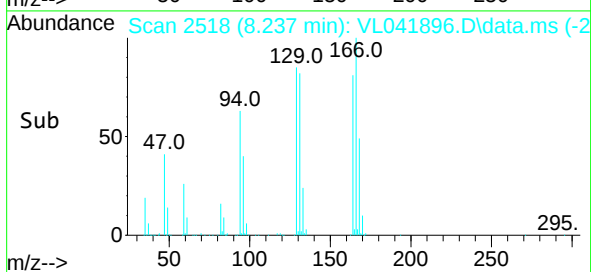
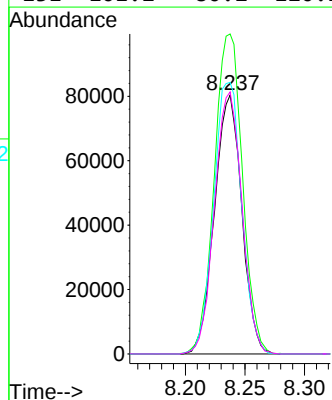
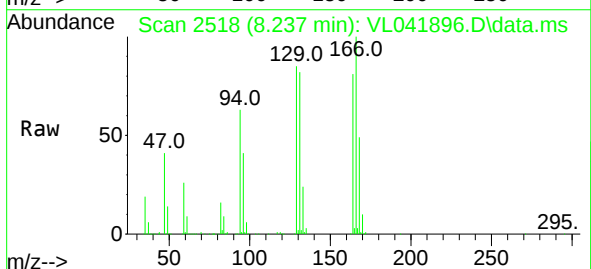
Instrument :  
MSVOA\_L  
ClientSampleId :

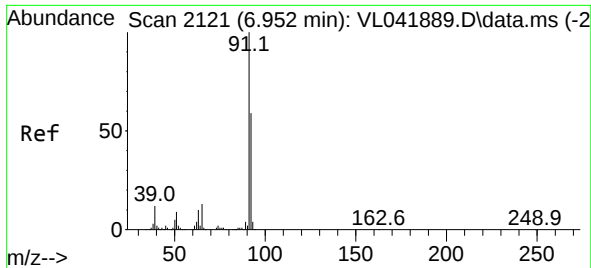
Tgt Ion: 43 Resp: 284058  
Ion Ratio Lower Upper  
43 100  
58 50.0 40.4 60.6  
98 0.3 0.2 0.2#



#52  
Tetrachloroethene  
Concen: 9.616 ppbv  
RT: 8.237 min Scan# 2518  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 164 Resp: 127806  
Ion Ratio Lower Upper  
164 100  
166 123.4 100.8 151.2  
129 104.9 82.0 123.0  
131 101.2 80.2 120.2

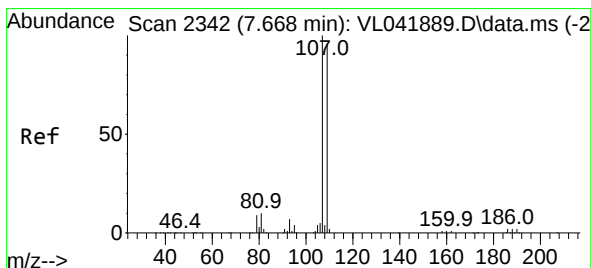
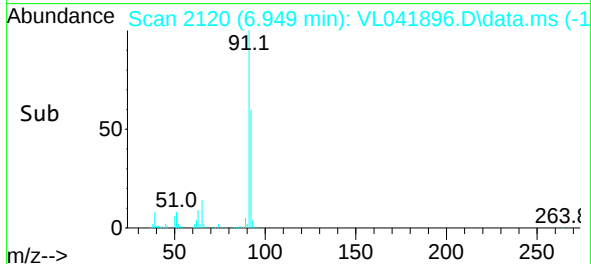
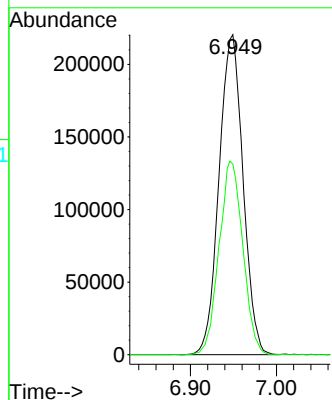
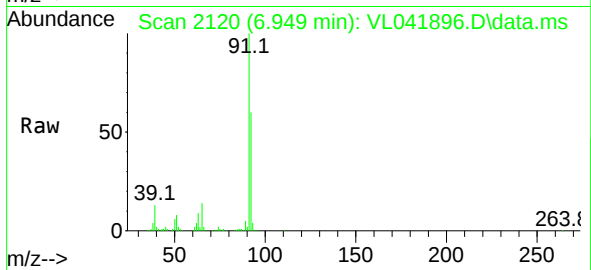




#53  
Toluene  
Concen: 10.227 ppbv  
RT: 6.949 min Scan# 2121  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

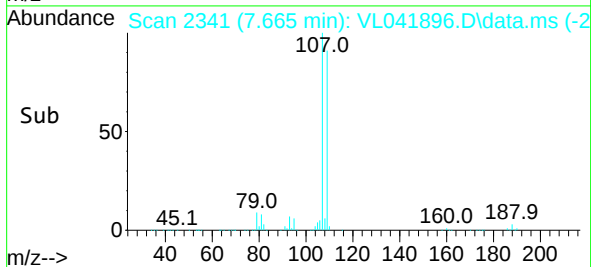
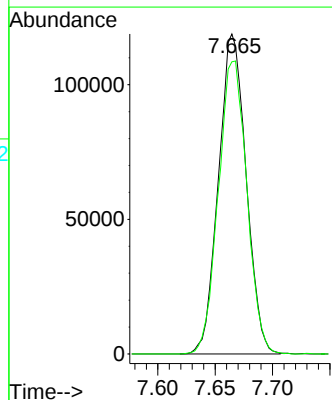
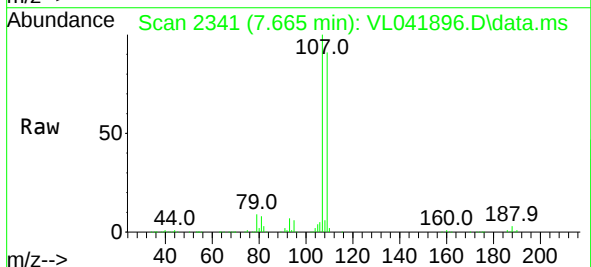
Instrument :  
MSVOA\_L  
ClientSampleId :

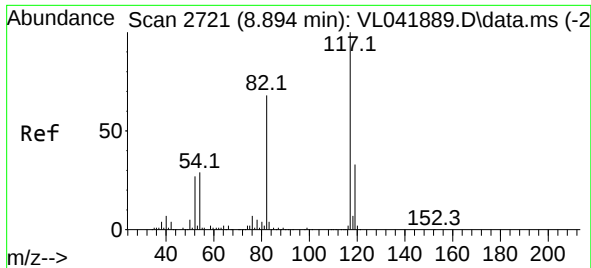
Tgt Ion: 91 Resp: 427033  
Ion Ratio Lower Upper  
91 100  
92 59.9 47.4 71.0



#54  
1,2-Dibromoethane  
Concen: 10.175 ppbv  
RT: 7.665 min Scan# 2341  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 107 Resp: 199339  
Ion Ratio Lower Upper  
107 100  
109 91.3 76.7 115.1

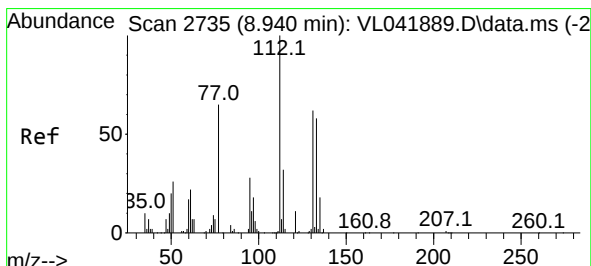
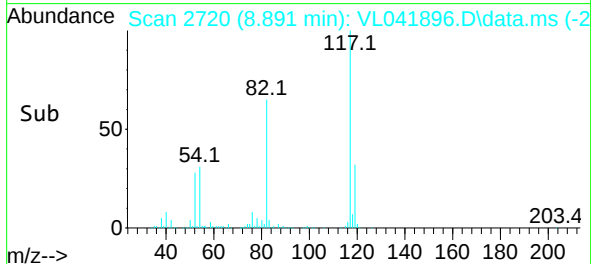
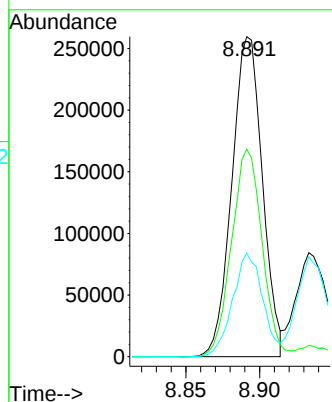
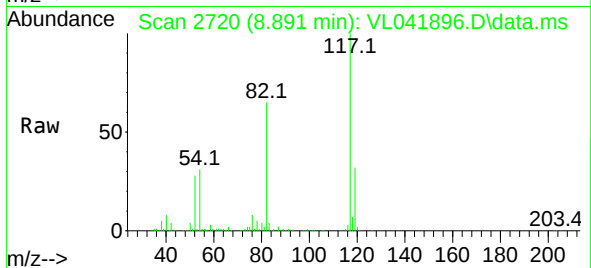




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 2721  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

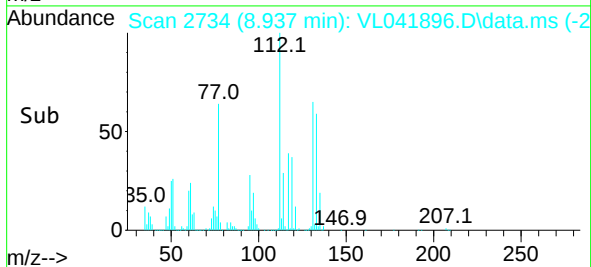
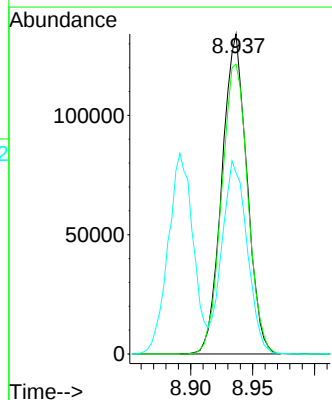
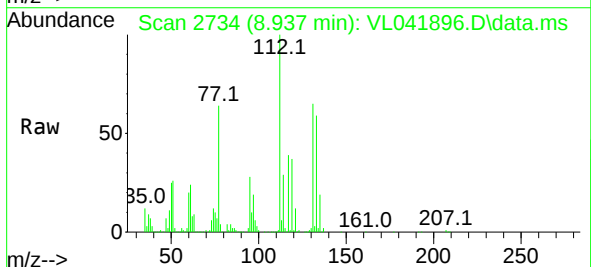
Instrument :  
MSVOA\_L  
ClientSampleId :

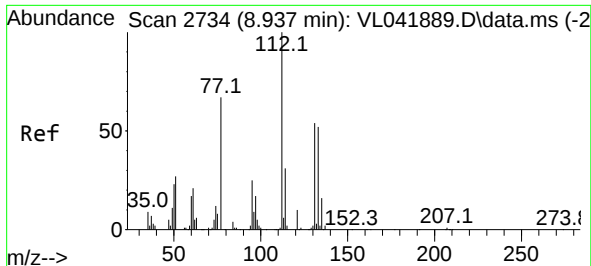
Tgt Ion:117 Resp: 373391  
Ion Ratio Lower Upper  
117 100  
82 68.1 54.2 81.4  
119 32.0 25.0 37.6



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.103 ppbv  
RT: 8.937 min Scan# 2734  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion:131 Resp: 188209  
Ion Ratio Lower Upper  
131 100  
133 95.3 76.0 114.0  
119 60.9 49.7 74.5





#57

Chlorobenzene

Concen: 9.553 ppbv

RT: 8.933 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

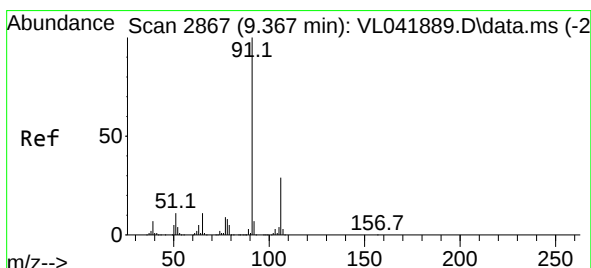
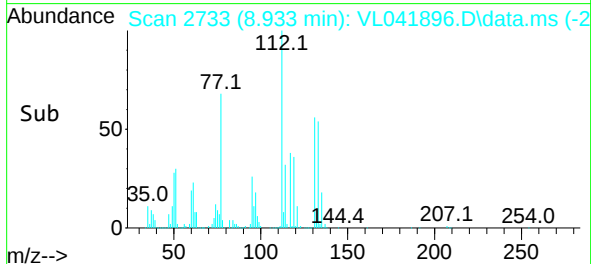
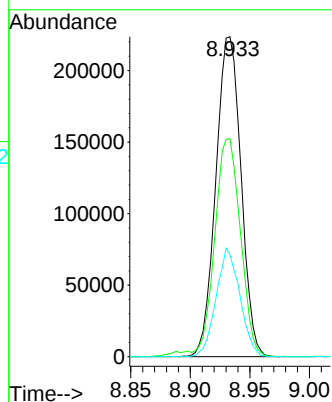
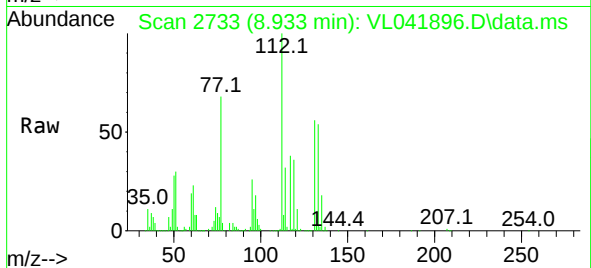
Tgt Ion:112 Resp: 329025

Ion Ratio Lower Upper

112 100

77 68.1 54.6 82.0

114 31.9 28.2 34.4



#58

Ethyl Benzene

Concen: 10.314 ppbv

RT: 9.364 min Scan# 2866

Delta R.T. -0.003 min

Lab File: VL041896.D

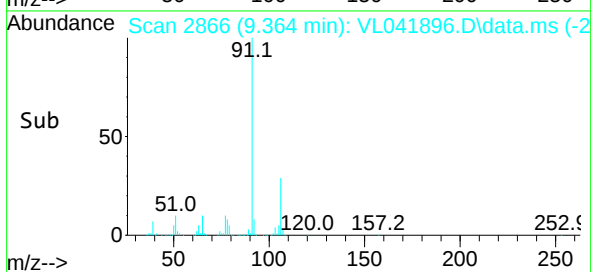
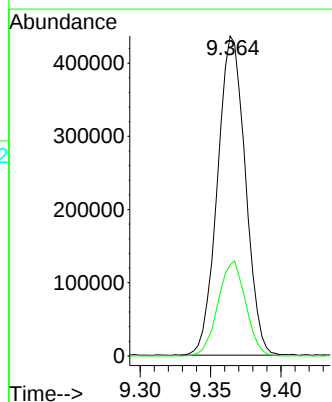
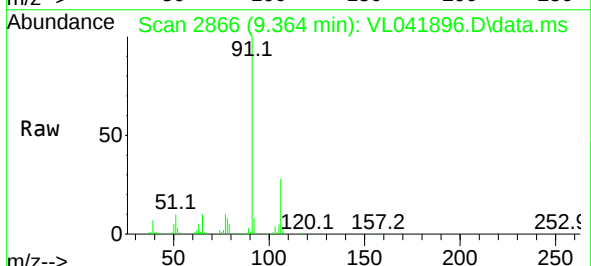
Acq: 14 Jan 2025 17:33

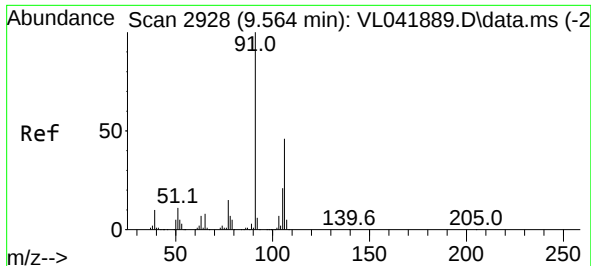
Tgt Ion: 91 Resp: 601857

Ion Ratio Lower Upper

91 100

106 28.5 23.1 34.7





#59

m/p-Xylene

Concen: 9.724 ppbv

RT: 9.561 min Scan# 29

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

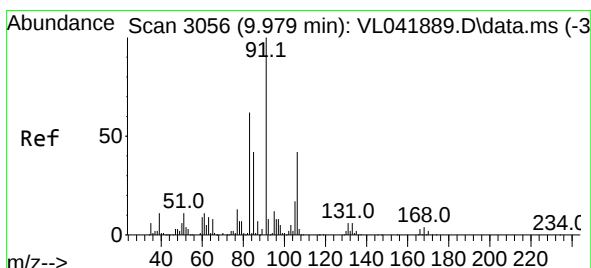
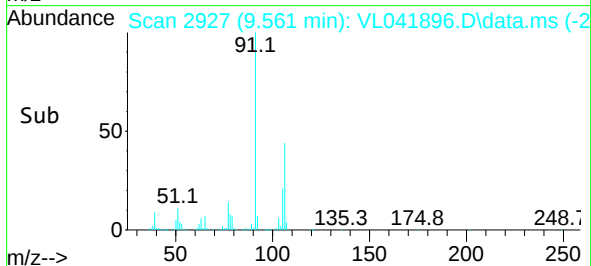
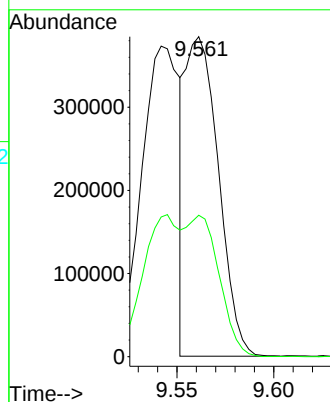
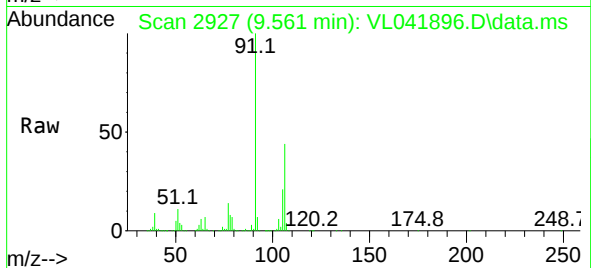
ClientSampleId :

Tgt Ion: 91 Resp: 454802

Ion Ratio Lower Upper

91 100

106 0.0 36.0 54.0#



#60

o-Xylene

Concen: 10.348 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.006 min

Lab File: VL041896.D

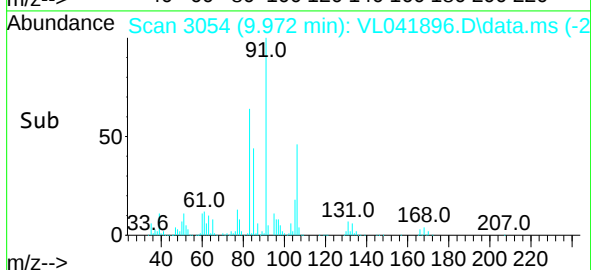
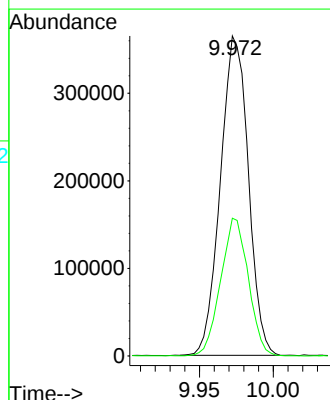
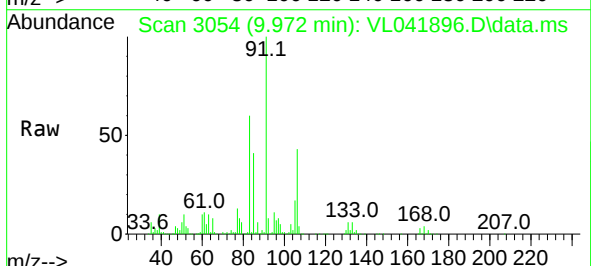
Acq: 14 Jan 2025 17:33

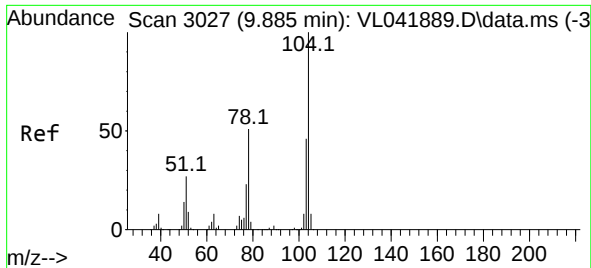
Tgt Ion: 91 Resp: 480442

Ion Ratio Lower Upper

91 100

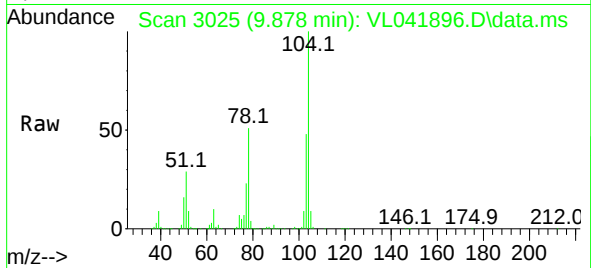
106 42.8 21.3 63.9



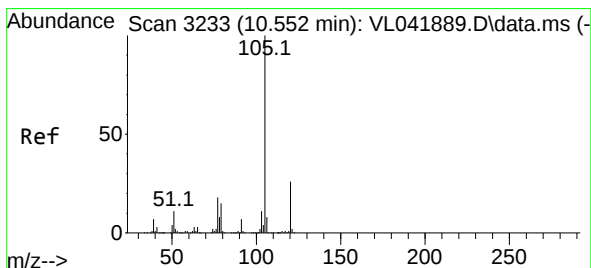
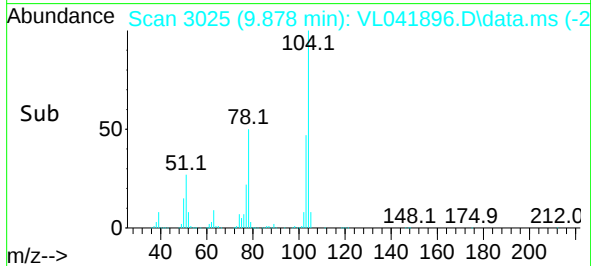
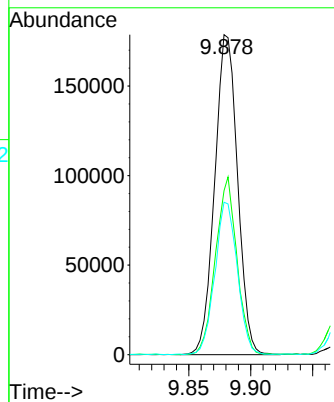


#61  
Styrene  
Concen: 11.034 ppbv  
RT: 9.878 min Scan# 3027  
Delta R.T. -0.006 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Instrument :  
MSVOA\_L  
ClientSampleId :

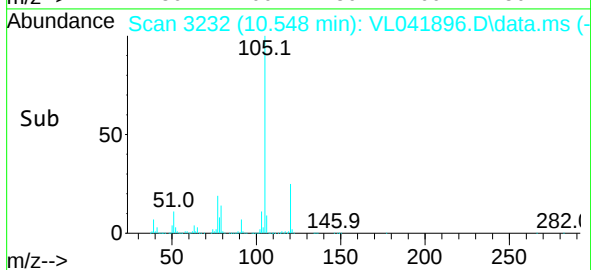
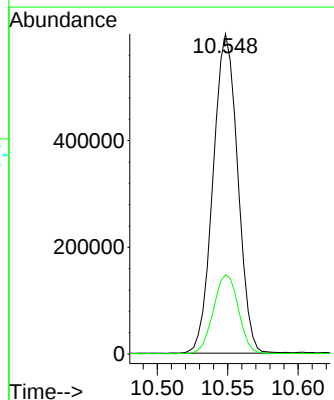
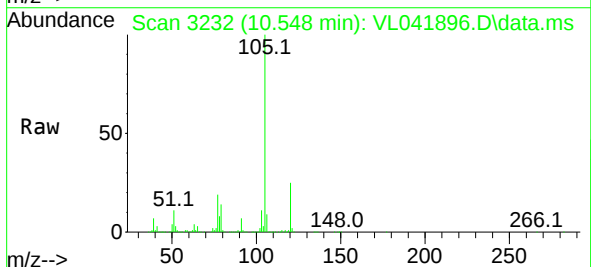


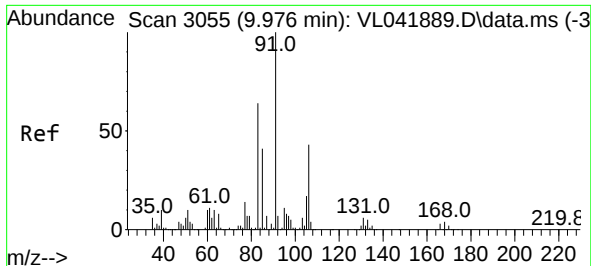
Tgt Ion:104 Resp: 229797  
Ion Ratio Lower Upper  
104 100  
78 52.2 41.0 61.6  
103 46.8 37.2 55.8



#62  
Isopropylbenzene  
Concen: 10.136 ppbv  
RT: 10.548 min Scan# 3232  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion:105 Resp: 728189  
Ion Ratio Lower Upper  
105 100  
120 25.3 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.809 ppbv

RT: 9.972 min Scan# 3055

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

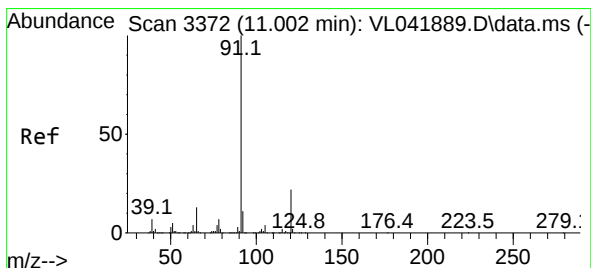
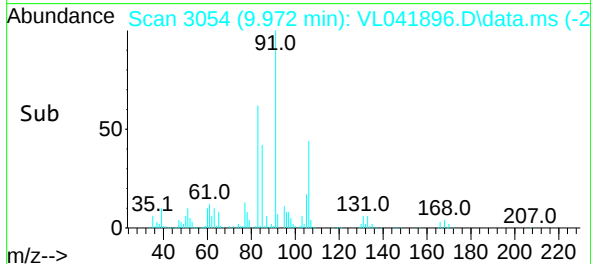
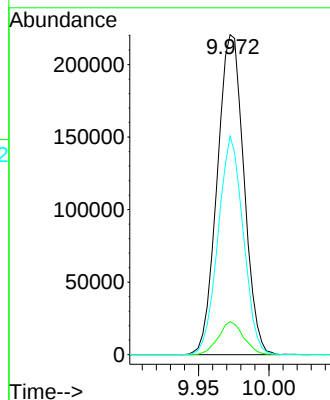
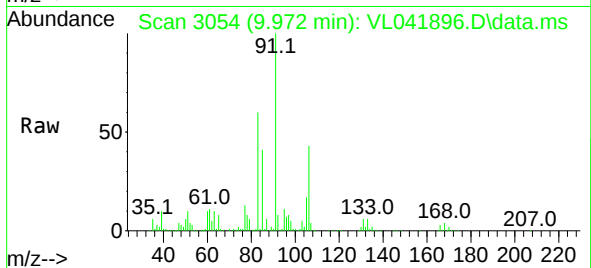
Tgt Ion: 83 Resp: 290998

Ion Ratio Lower Upper

83 100

131 9.8 4.8 14.4

85 64.4 32.4 97.2



#64

n-propylbenzene

Concen: 10.048 ppbv

RT: 10.998 min Scan# 3371

Delta R.T. -0.003 min

Lab File: VL041896.D

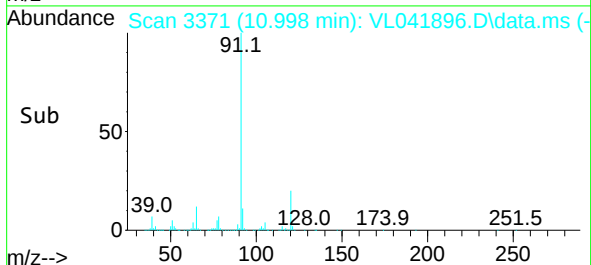
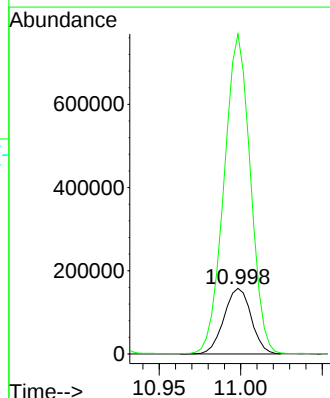
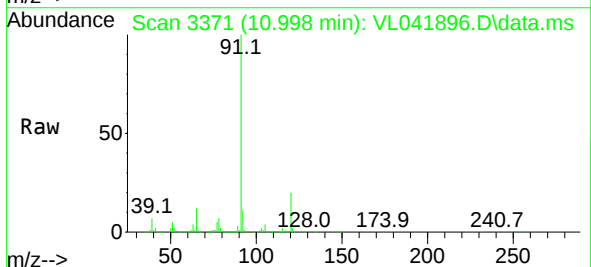
Acq: 14 Jan 2025 17:33

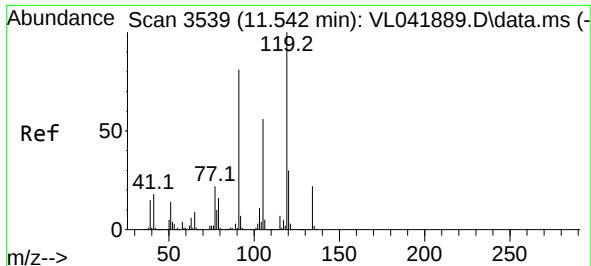
Tgt Ion:120 Resp: 182397

Ion Ratio Lower Upper

120 100

91 473.2 374.1 561.1

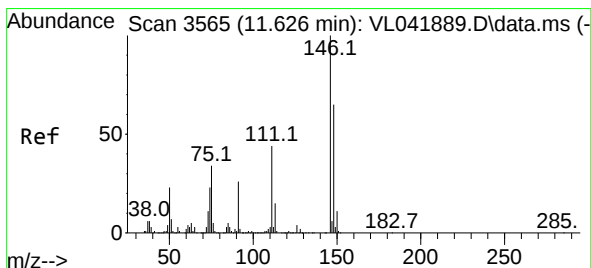
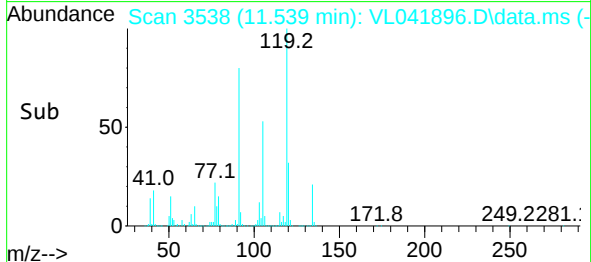
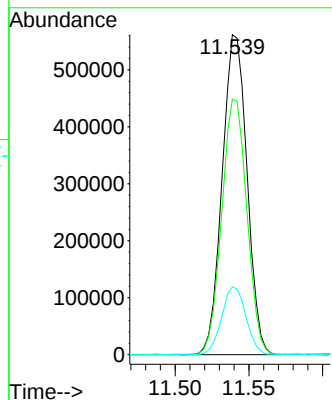
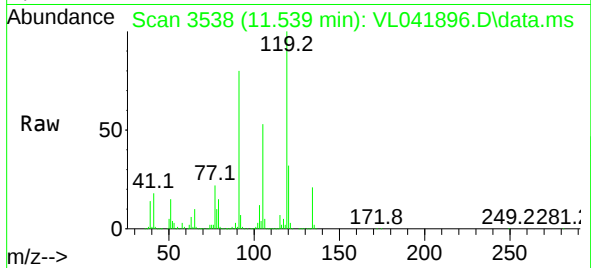




#65  
tert-Butylbenzene  
Concen: 10.043 ppbv  
RT: 11.539 min Scan# 3538  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

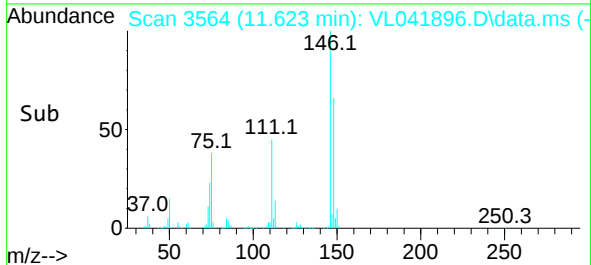
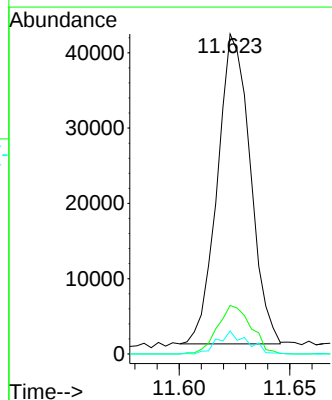
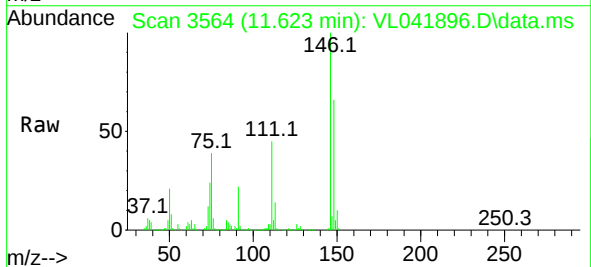
Instrument :  
MSVOA\_L  
ClientSampleId :

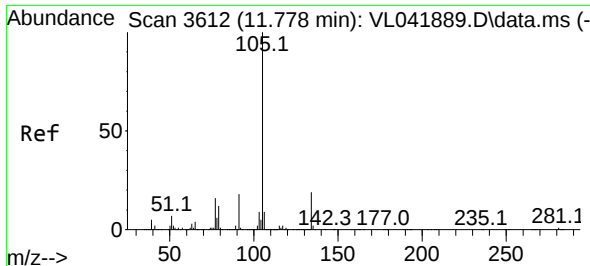
Tgt Ion:119 Resp: 657521  
Ion Ratio Lower Upper  
119 100  
91 80.9 64.6 97.0  
134 20.9 16.8 25.2



#66  
Benzyl Chloride  
Concen: 10.490 ppbv  
RT: 11.623 min Scan# 3564  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 91 Resp: 42509  
Ion Ratio Lower Upper  
91 100  
126 16.2 14.1 21.1  
128 6.6 4.3 6.5#

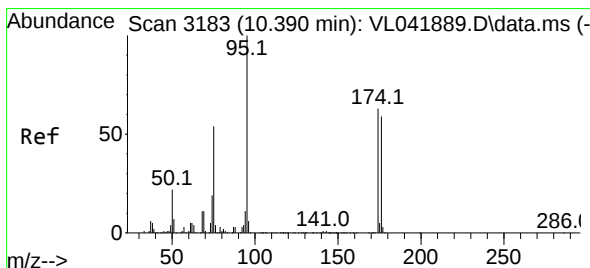
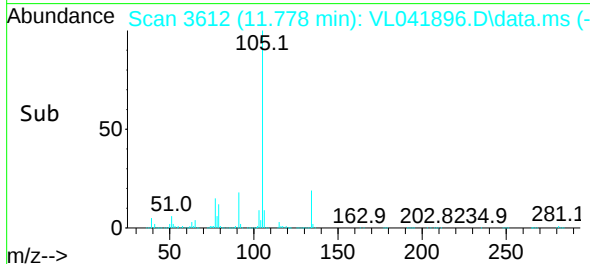
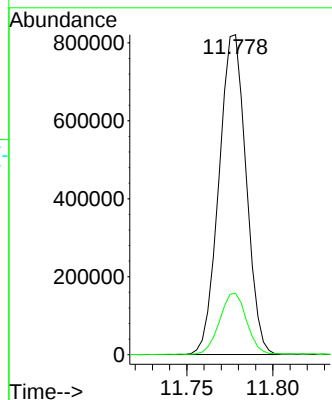
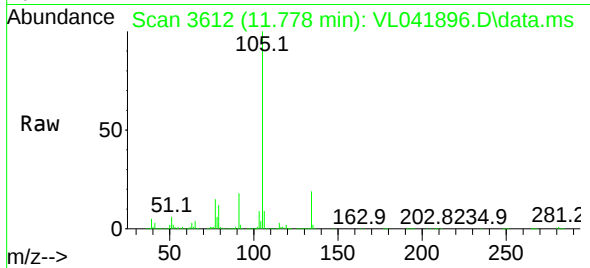




#67  
 sec-Butylbenzene  
 Concen: 9.997 ppbv  
 RT: 11.778 min Scan# 3612  
 Delta R.T. 0.000 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

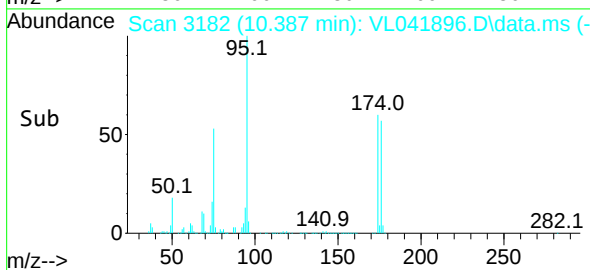
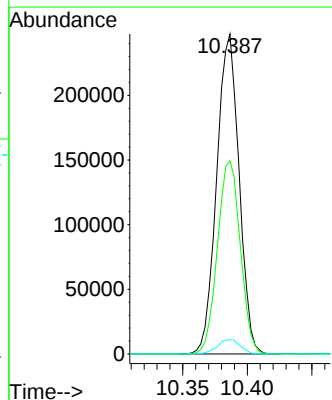
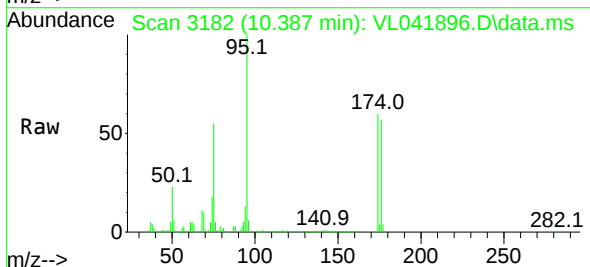
Instrument :  
 MSVOA\_L  
 ClientSampleId :

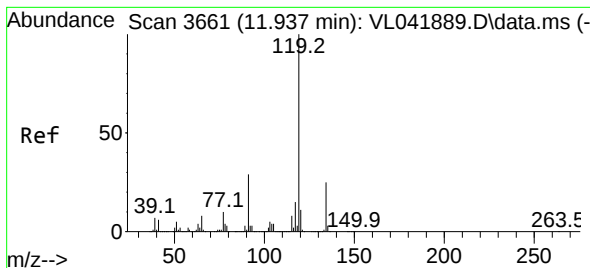
Tgt Ion:105 Resp: 901260  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 15.1 22.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.133 ppbv  
 RT: 10.387 min Scan# 3182  
 Delta R.T. -0.003 min  
 Lab File: VL041896.D  
 Acq: 14 Jan 2025 17:33

Tgt Ion: 95 Resp: 298000  
 Ion Ratio Lower Upper  
 95 100  
 174 61.6 49.0 73.4  
 175 4.6 3.8 5.8

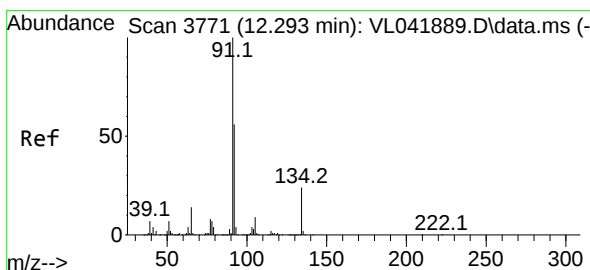
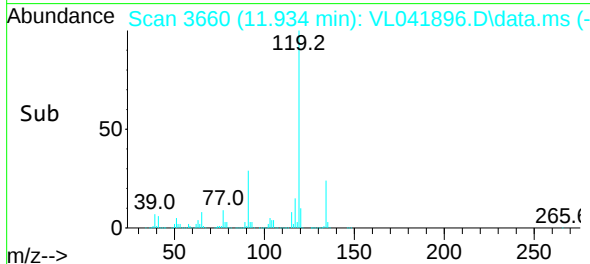
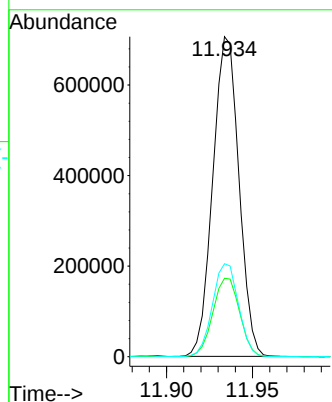
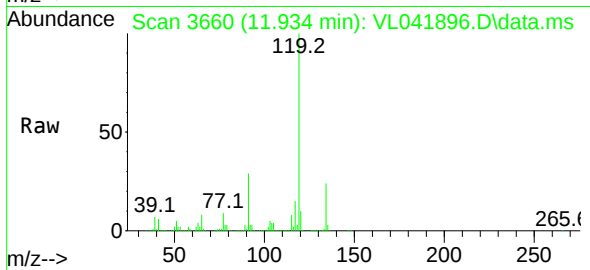




#69  
p-Isopropyltoluene  
Concen: 10.043 ppbv  
RT: 11.934 min Scan# 3660  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

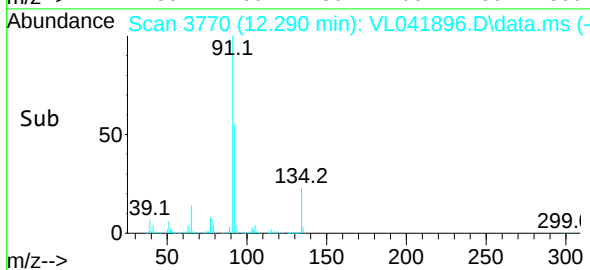
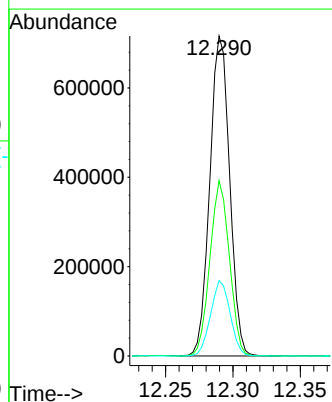
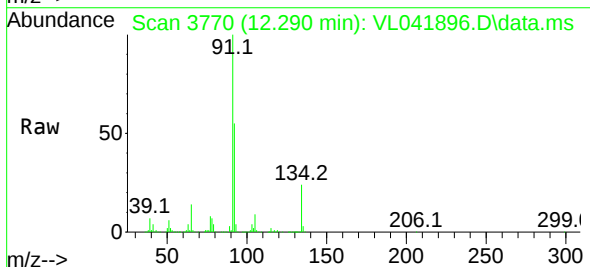
Instrument :  
MSVOA\_L  
ClientSampleId :

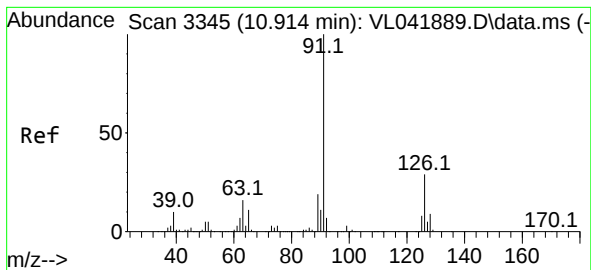
Tgt Ion:119 Resp: 745566  
Ion Ratio Lower Upper  
119 100  
134 25.2 19.8 29.6  
91 29.3 23.0 34.4



#70  
n-Butylbenzene  
Concen: 9.965 ppbv  
RT: 12.290 min Scan# 3770  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 91 Resp: 733637  
Ion Ratio Lower Upper  
91 100  
92 54.0 43.8 65.6  
134 23.2 19.0 28.6

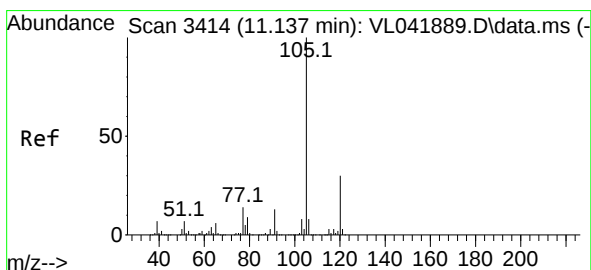
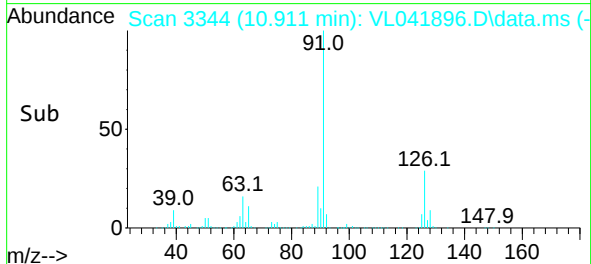
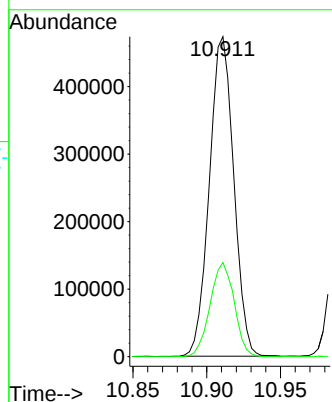
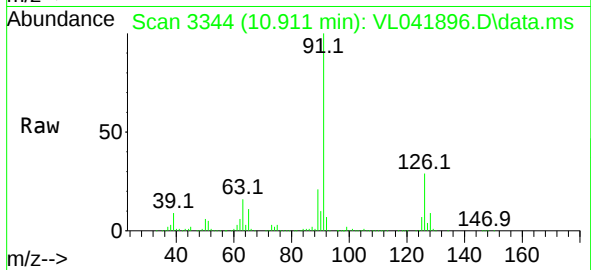




#71  
2-Chlorotoluene  
Concen: 10.234 ppbv  
RT: 10.911 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

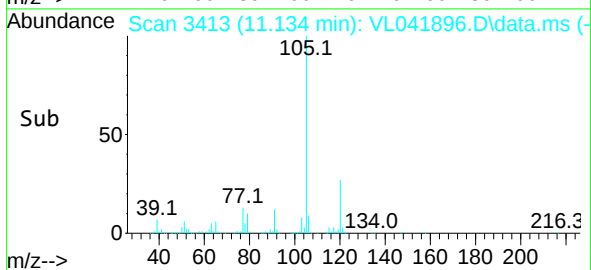
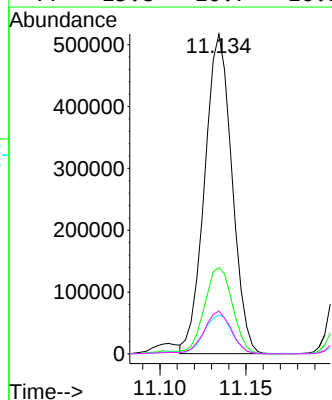
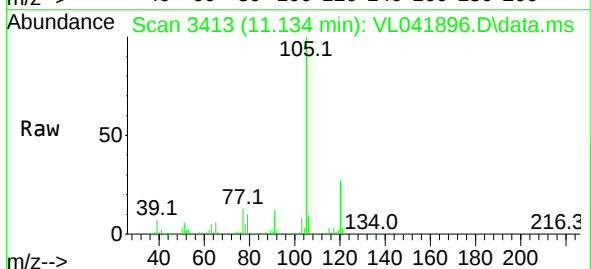
Instrument :  
MSVOA\_L  
ClientSampleId :

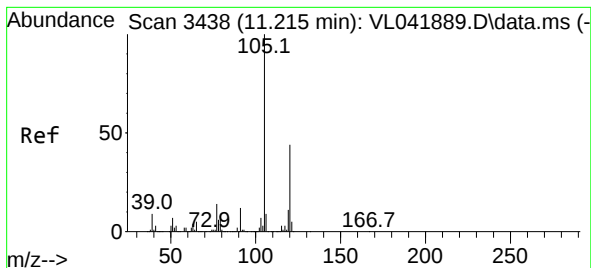
Tgt Ion: 91 Resp: 543858  
Ion Ratio Lower Upper  
91 100  
126 29.1 11.7 46.7



#72  
4-Ethyltoluene  
Concen: 10.245 ppbv  
RT: 11.134 min Scan# 3413  
Delta R.T. -0.003 min  
Lab File: VL041896.D  
Acq: 14 Jan 2025 17:33

Tgt Ion: 105 Resp: 568921  
Ion Ratio Lower Upper  
105 100  
120 28.9 23.7 35.5  
91 12.9 10.2 15.2  
77 13.8 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 10.061 ppbv

RT: 11.212 min Scan# 34

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

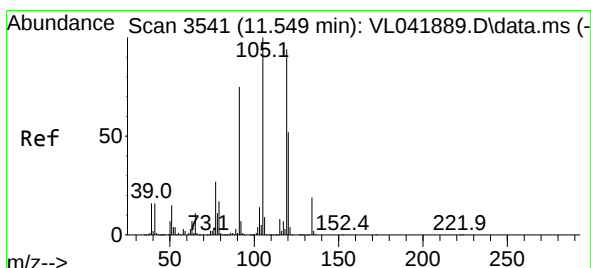
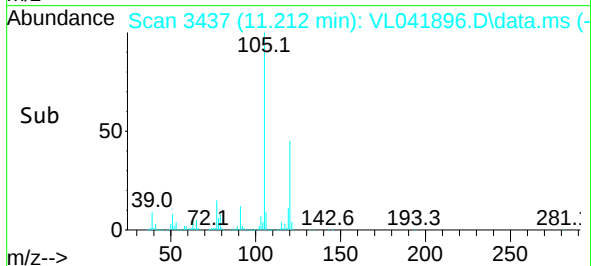
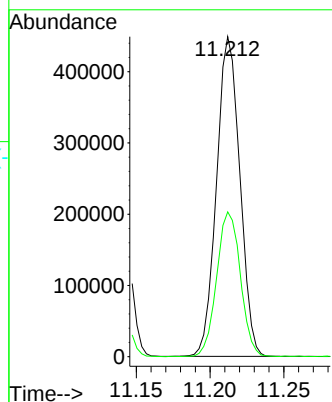
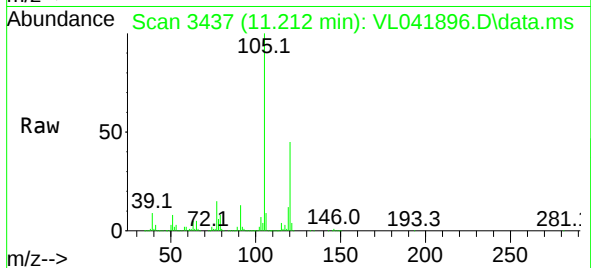
ClientSampleId :

Tgt Ion:105 Resp: 493388

Ion Ratio Lower Upper

105 100

120 45.3 35.4 53.2



#74

1,2,4-Trimethylbenzene

Concen: 9.946 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Tgt Ion:105 Resp: 528225

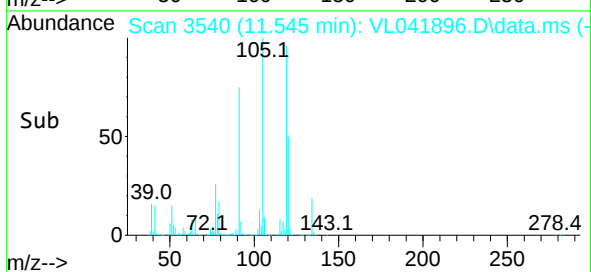
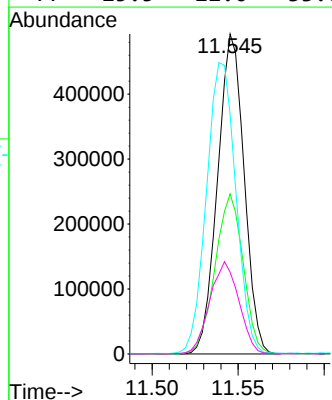
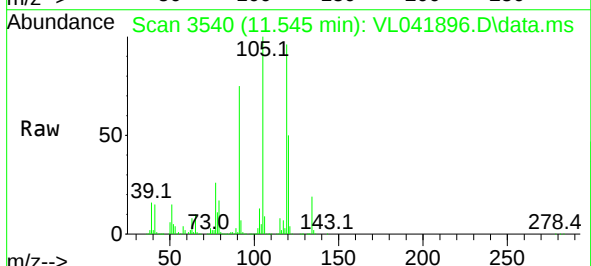
Ion Ratio Lower Upper

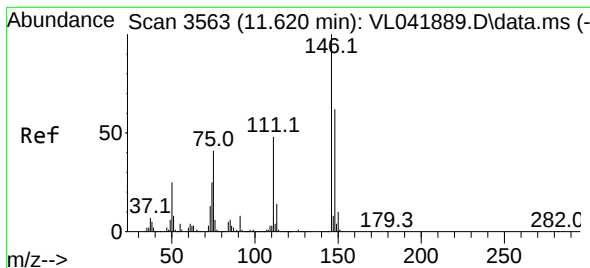
105 100

120 50.0 41.4 62.2

91 74.7 60.2 90.2

77 25.5 22.0 33.0





#75

1,3-Dichlorobenzene

Concen: 9.664 ppbv

RT: 11.617 min Scan# 3562

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

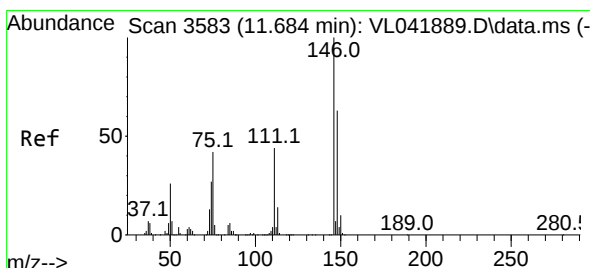
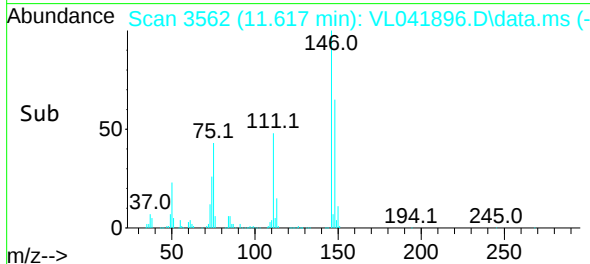
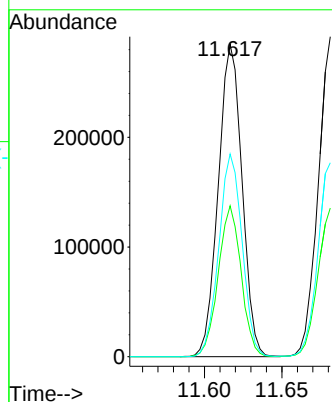
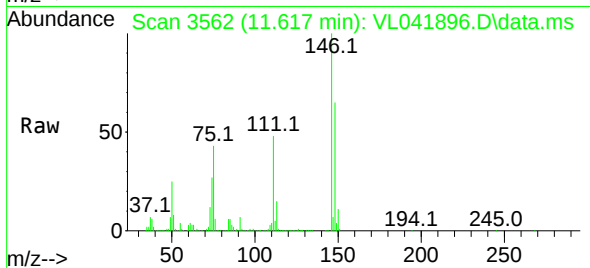
Tgt Ion:146 Resp: 304133

Ion Ratio Lower Upper

146 100

111 46.5 23.6 70.8

148 63.7 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 9.670 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

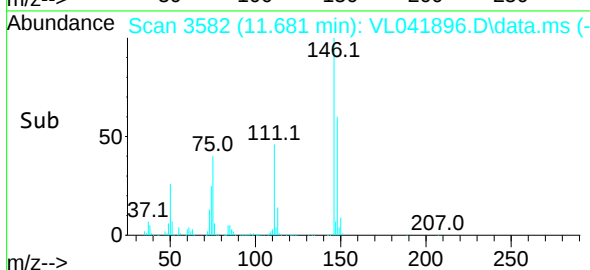
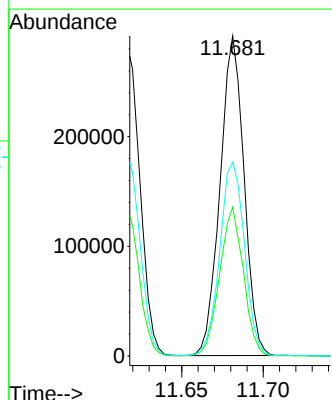
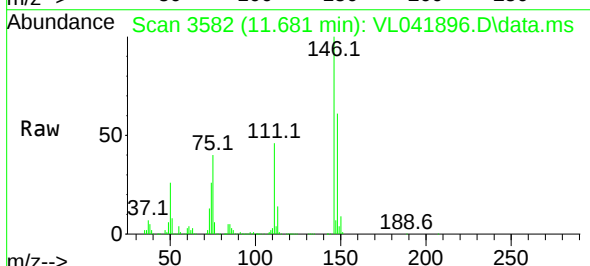
Tgt Ion:146 Resp: 297765

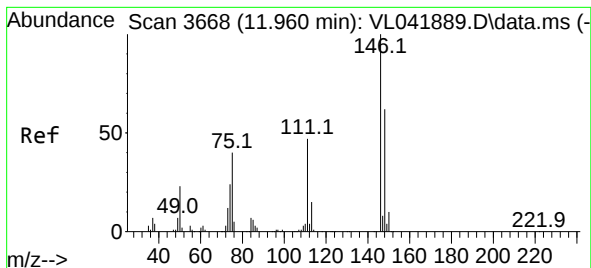
Ion Ratio Lower Upper

146 100

111 46.3 22.4 67.0

148 63.1 31.9 95.5





#77

1,2-Dichlorobenzene

Concen: 9.555 ppbv

RT: 11.956 min Scan# 3667

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

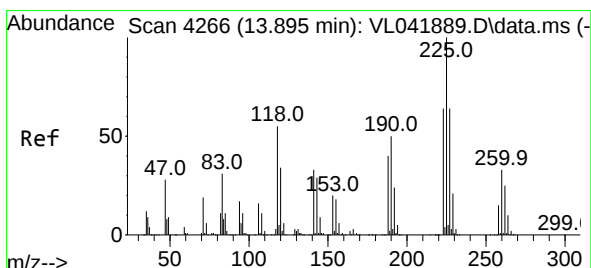
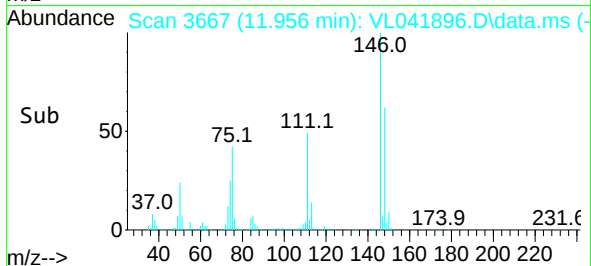
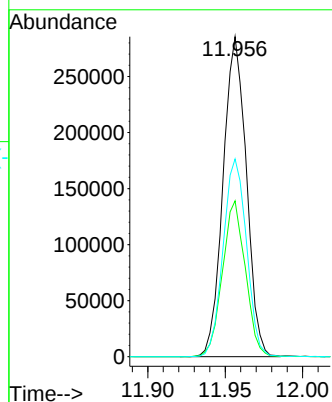
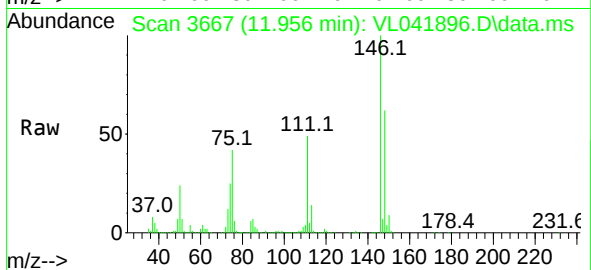
Tgt Ion:146 Resp: 298039

Ion Ratio Lower Upper

146 100

111 48.1 24.2 72.6

148 62.2 31.7 95.1



#78

Hexachloro-1,3-Butadiene

Concen: 8.929 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. -0.006 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

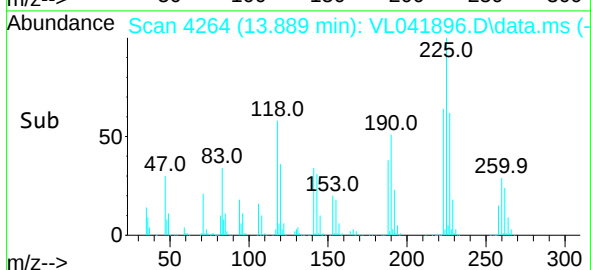
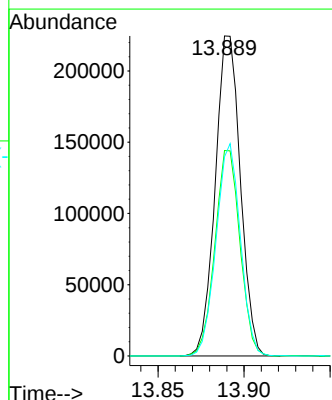
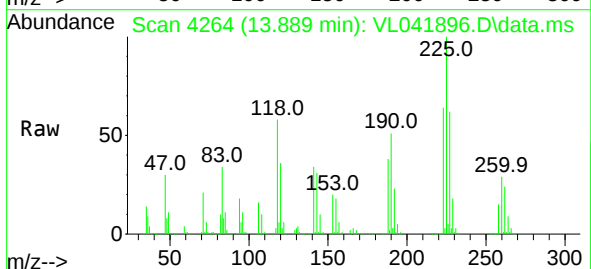
Tgt Ion:225 Resp: 228592

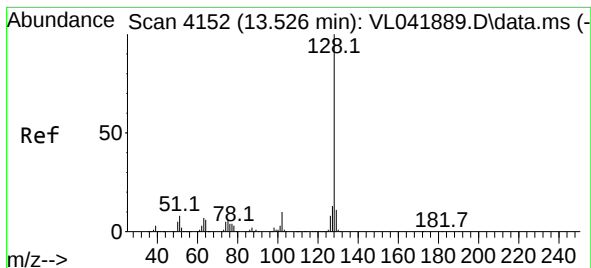
Ion Ratio Lower Upper

225 100

223 63.9 50.8 76.2

227 64.0 50.3 75.5





#79

Naphthalene

Concen: 9.295 ppbv

RT: 13.523 min Scan# 41

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :

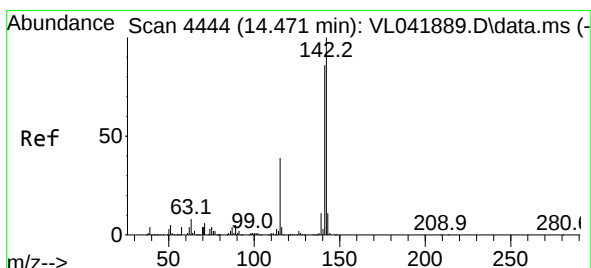
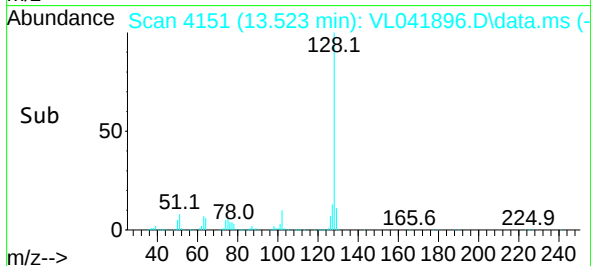
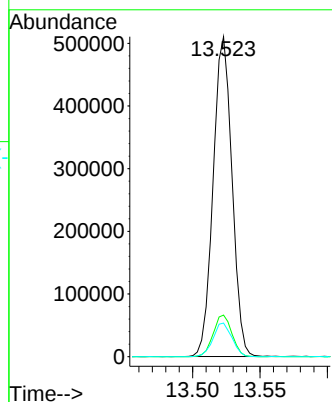
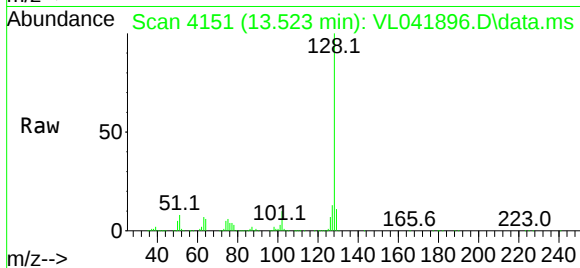
Tgt Ion:128 Resp: 497063

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 10.5 9.1 13.7



#80

Naphthalene,2-methyl-

Concen: 7.398 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. -0.003 min

Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

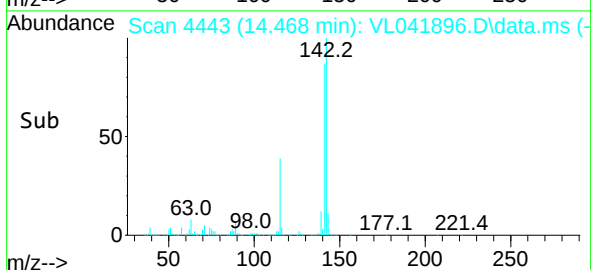
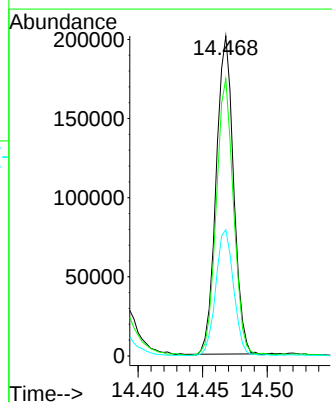
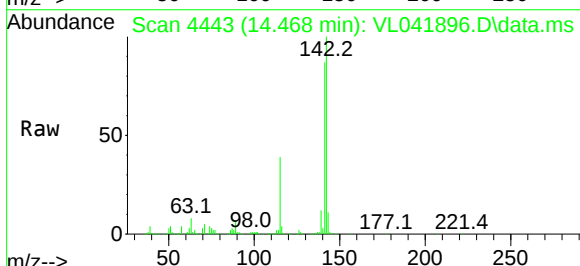
Tgt Ion:142 Resp: 187571

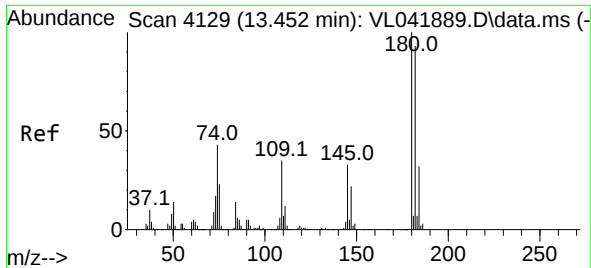
Ion Ratio Lower Upper

142 100

141 85.9 68.1 102.1

115 41.6 31.7 47.5





#81

1,2,4-Trichlorobenzene

Concen: 9.049 ppbv

RT: 13.448 min Scan# 41

Delta R.T. -0.003 min

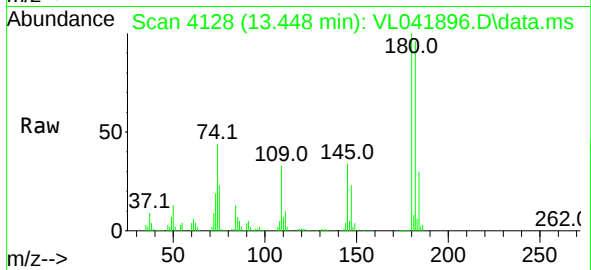
Lab File: VL041896.D

Acq: 14 Jan 2025 17:33

Instrument :

MSVOA\_L

ClientSampleId :



Tgt Ion:180 Resp: 236181

Ion Ratio Lower Upper

180 100

182 95.2 77.0 115.6

184 29.8 24.9 37.3

