

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092425\  
 Data File : VL043003.D  
 Acq On : 24 Sep 2025 10:47  
 Operator : SY/MD  
 Sample : VL0924ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

Quant Time: Sep 25 01:52:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 23 02:39:16 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 150936   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.962 | 114  | 449573   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 405131   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 314184   | 10.389   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 103.900% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 219688 | 10.821 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 255095 | 10.082 | ppbv   | 97     |
| 4) Chloromethane              | 1.534 | 50  | 89265  | 9.714  | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 78179  | 9.411  | ppbv   | 96     |
| 6) Bromomethane               | 1.670 | 94  | 29783  | 10.164 | ppbv   | 94     |
| 7) Chloroethane               | 1.706 | 64  | 30943  | 9.593  | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 180234 | 10.400 | ppbv   | 90     |
| 9) Propene                    | 1.486 | 41  | 94701  | 8.603  | ppbv   | 95     |
| 10) Heptane                   | 4.985 | 43  | 274374 | 9.340  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.877 | 101 | 221460 | 11.314 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.140 | 101 | 177315 | 11.186 | ppbv   | 90     |
| 13) Ethanol                   | 1.722 | 45  | 6747   | 6.319  | ppbv   | 95     |
| 14) Bromoethene               | 1.784 | 108 | 63818  | 10.649 | ppbv   | 100    |
| 15) Acetone                   | 1.835 | 43  | 164292 | 8.357  | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 80632  | 8.695  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.042 | 59  | 177016 | 8.210  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 76322  | 10.402 | ppbv   | 93     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 103468 | 8.755  | ppbv # | 39     |
| 20) Methylene Chloride        | 2.062 | 84  | 67676  | 11.658 | ppbv   | 96     |
| 21) Allyl Chloride            | 2.098 | 41  | 128489 | 9.385  | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 87647  | 10.513 | ppbv   | 92     |
| 23) Vinyl Acetate             | 2.463 | 43  | 263532 | 9.384  | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.411 | 63  | 169220 | 10.350 | ppbv   | 98     |
| 25) Ethyl Acetate             | 2.835 | 43  | 479080 | 9.642  | ppbv   | 99     |
| 26) Hexane                    | 2.829 | 57  | 212295 | 9.374  | ppbv   | 99     |
| 27) Carbon Disulfide          | 2.153 | 76  | 204686 | 10.077 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 2.441 | 73  | 102709 | 8.724  | ppbv   | 94     |
| 29) Chloroform                | 2.852 | 83  | 327227 | 11.050 | ppbv   | 100    |
| 30) Cyclohexane               | 3.861 | 84  | 181395 | 9.579  | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 2.722 | 61  | 210432 | 9.918  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.370 | 97  | 318480 | 9.957  | ppbv   | 99     |
| 34) 2-Butanone                | 2.557 | 43  | 311605 | 9.890  | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.764 | 117 | 349345 | 11.936 | ppbv   | 98     |
| 36) Benzene                   | 3.661 | 78  | 428947 | 10.160 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.221 | 62  | 245698 | 11.066 | ppbv   | 98     |
| 38) Trichloroethene           | 4.554 | 130 | 219940 | 10.483 | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 4.315 | 63  | 159234 | 10.332 | ppbv   | 92     |
| 40) 1,4-Dioxane               | 4.586 | 88  | 68528  | 9.562  | ppbv # | 97     |
| 41) Tetrahydrofuran           | 3.056 | 42  | 170739 | 9.428  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.493 | 83  | 348397 | 11.267 | ppbv # | 98     |
| 43) Methyl Methacrylate       | 4.884 | 69  | 162155 | 9.388  | ppbv   | 96     |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 722416 | 9.907  | ppbv   | 97     |
| 45) t-1,3-Dichloropropene     | 6.418 | 75  | 167990 | 9.119  | ppbv   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092425\  
 Data File : VL043003.D  
 Acq On : 24 Sep 2025 10:47  
 Operator : SY/MD  
 Sample : VL0924ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

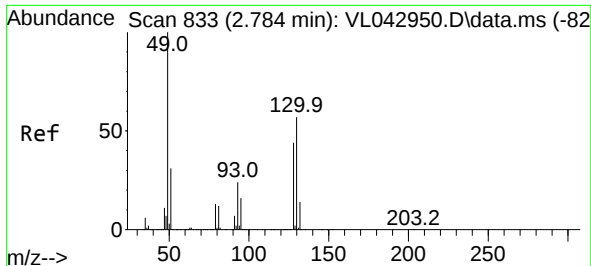
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

Quant Time: Sep 25 01:52:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 23 02:39:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.606  | 75   | 223077   | 9.502  | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 6.583  | 97   | 174093   | 10.691 | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.393  | 129  | 309350   | 11.874 | ppbv   | 98       |
| 49) Bromoform                 | 9.487  | 173  | 279638   | 12.339 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.752  | 43   | 423045   | 10.018 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.438  | 43   | 331885   | 9.860  | ppbv # | 97       |
| 52) Tetrachloroethene         | 8.231  | 164  | 177496   | 10.866 | ppbv   | 93       |
| 53) Toluene                   | 6.936  | 91   | 493280   | 9.872  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.658  | 107  | 247778   | 10.810 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 230977   | 11.911 | ppbv   | 100      |
| 57) Chlorobenzene             | 8.927  | 112  | 408572   | 11.047 | ppbv   | 95       |
| 58) Ethyl Benzene             | 9.361  | 91   | 688808   | 10.354 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.555  | 91   | 1110641m | 21.176 | ppbv   |          |
| 60) o-Xylene                  | 9.969  | 91   | 560366   | 10.690 | ppbv   | 99       |
| 61) Styrene                   | 9.875  | 104  | 247781   | 9.993  | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.542 | 105  | 830044   | 10.623 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 292156   | 10.604 | ppbv   | 100      |
| 64) n-propylbenzene           | 10.992 | 120  | 224888   | 11.015 | ppbv   | 95       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 768130   | 11.053 | ppbv   | 97       |
| 66) Benzyl Chloride           | 11.616 | 91   | 44429    | 6.093  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.769 | 105  | 1052693  | 10.871 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 11.927 | 119  | 898046   | 10.978 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.283 | 91   | 867870   | 10.867 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.904 | 91   | 617343   | 10.464 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.128 | 105  | 705375   | 10.744 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.205 | 105  | 584573   | 10.979 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 654965   | 11.139 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 432617   | 11.863 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 425397   | 11.746 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 414086   | 11.935 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.882 | 225  | 344475   | 12.694 | ppbv   | 98       |
| 79) Naphthalene               | 13.516 | 128  | 607495   | 11.684 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.458 | 142  | 153210   | 9.539  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 354007   | 12.734 | ppbv   | 99       |

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

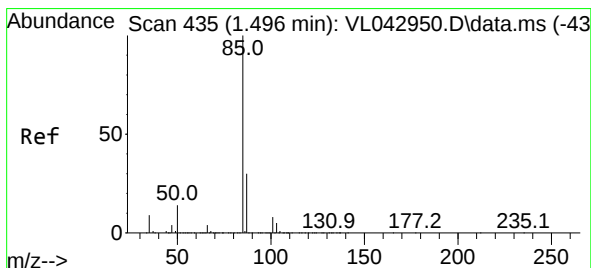
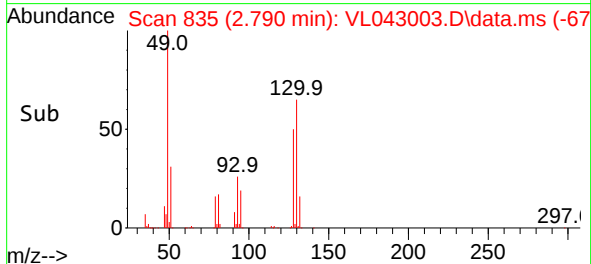
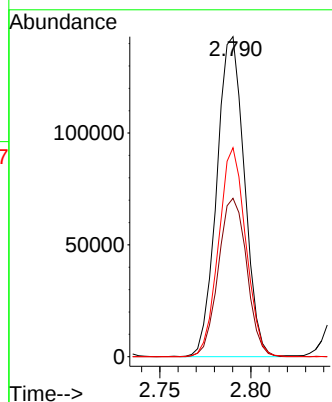
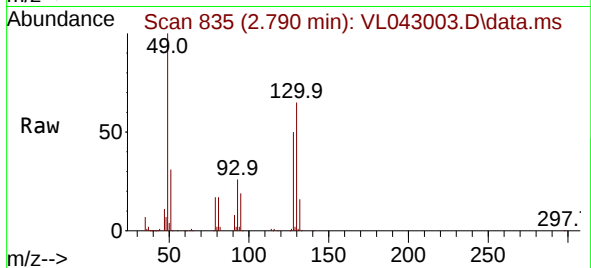




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.790 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

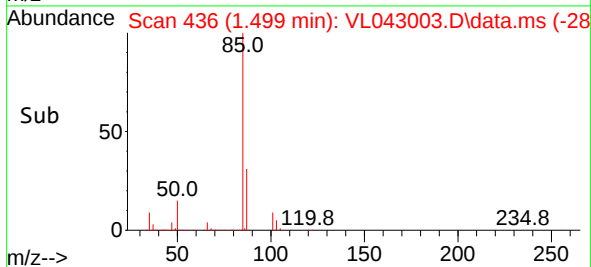
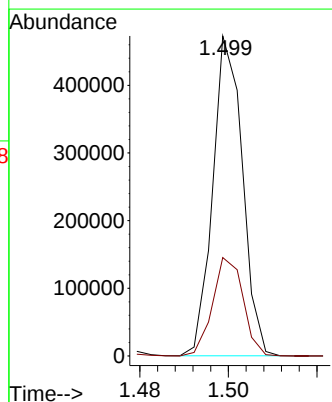
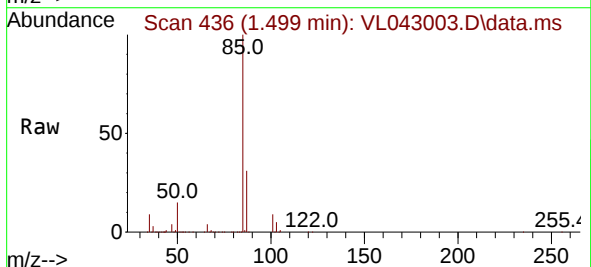
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

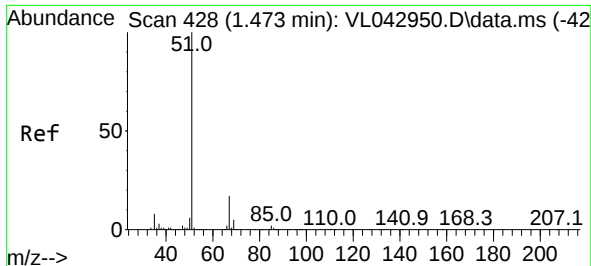
Tgt Ion: 49 Resp: 150936  
Ion Ratio Lower Upper  
49 100  
128 50.8 22.9 68.8  
130 64.3 29.1 87.3



#2  
Dichlorodifluoromethane  
Concen: 10.821 ppbv  
RT: 1.499 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 85 Resp: 219688  
Ion Ratio Lower Upper  
85 100  
87 30.7 24.3 36.5

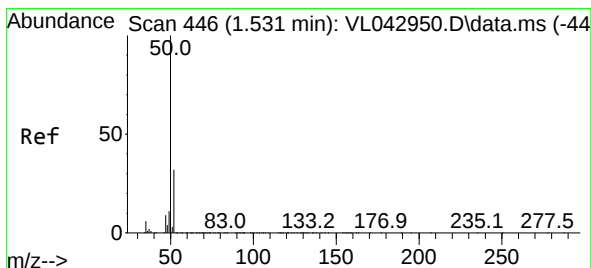
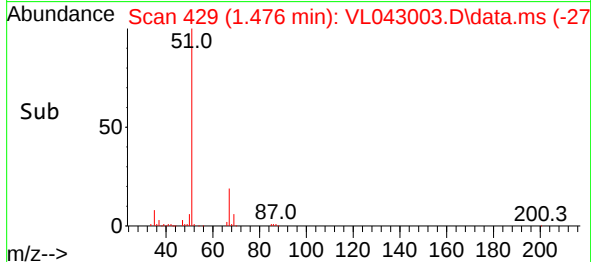
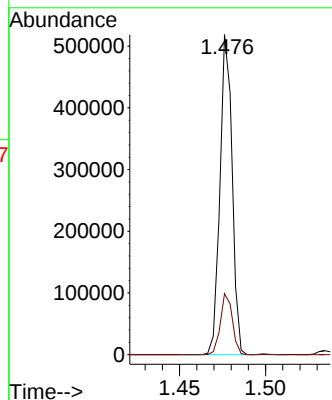
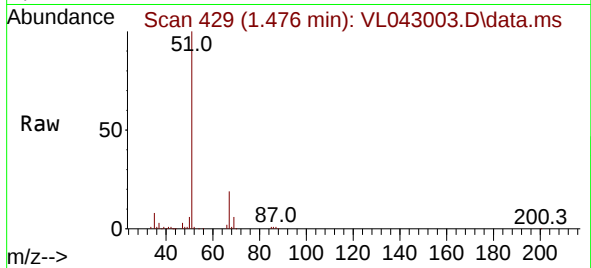




#3  
Chlorodifluoromethane  
Concen: 10.082 ppbv  
RT: 1.476 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

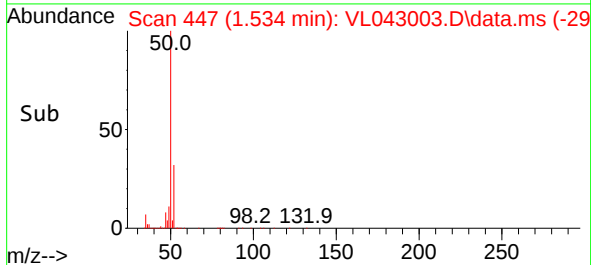
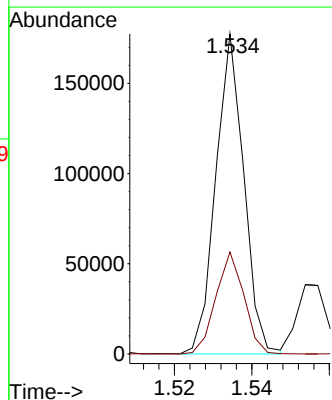
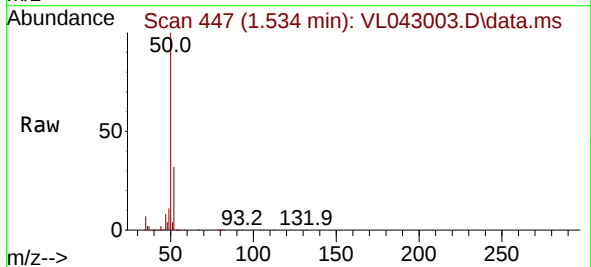
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

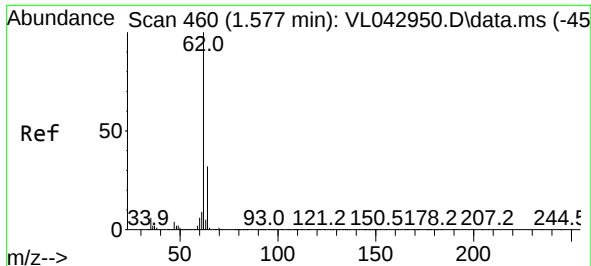
Tgt Ion: 51 Resp: 255095  
Ion Ratio Lower Upper  
51 100  
67 18.8 13.8 20.8



#4  
Chloromethane  
Concen: 9.714 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 50 Resp: 89265  
Ion Ratio Lower Upper  
50 100  
52 31.9 25.9 38.9

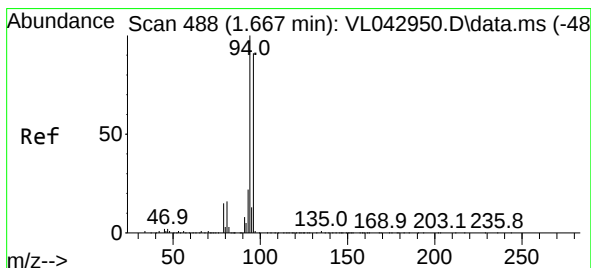
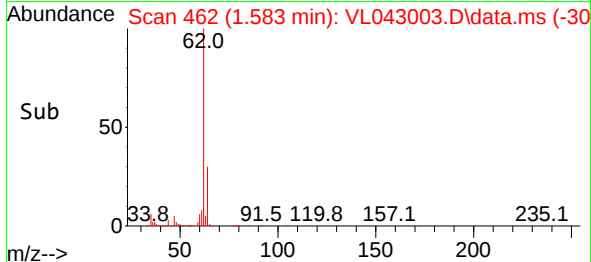
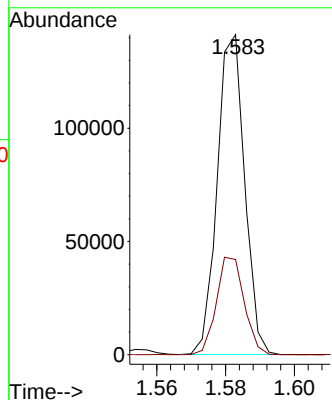
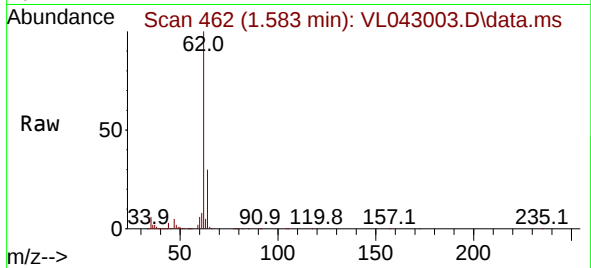




#5  
 Vinyl Chloride  
 Concen: 9.411 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

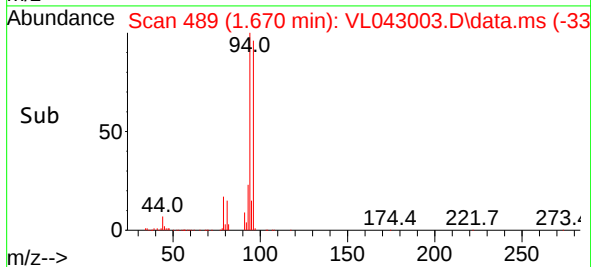
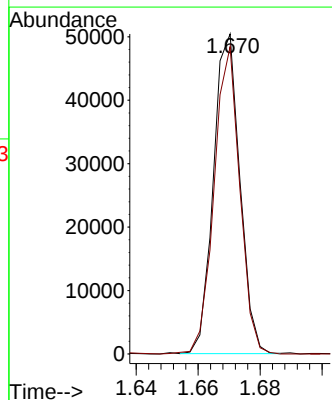
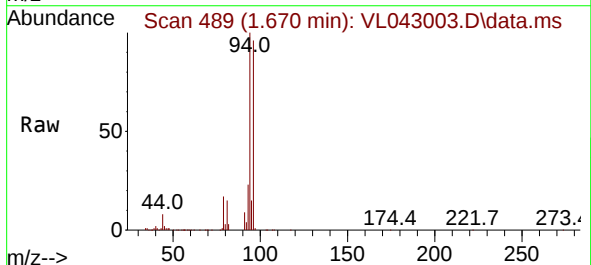
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

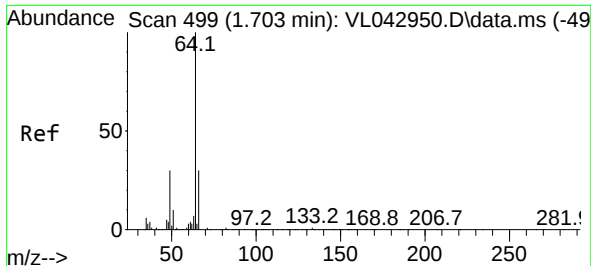
Tgt Ion: 62 Resp: 78179  
 Ion Ratio Lower Upper  
 62 100  
 64 29.7 25.4 38.2



#6  
 Bromomethane  
 Concen: 10.164 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. 0.003 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 94 Resp: 29783  
 Ion Ratio Lower Upper  
 94 100  
 96 96.2 72.6 108.8

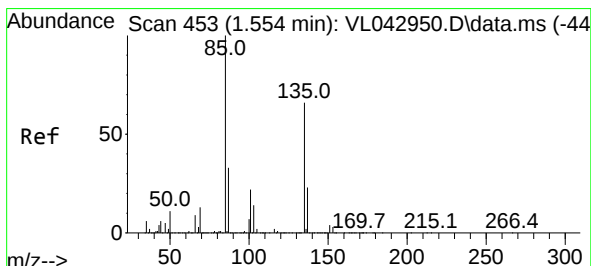
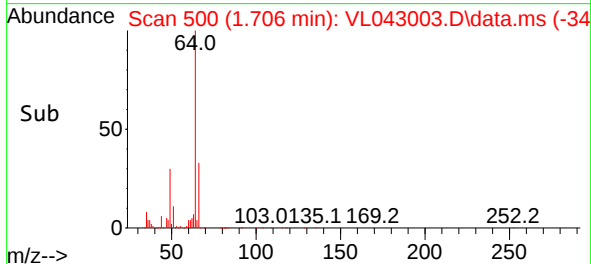
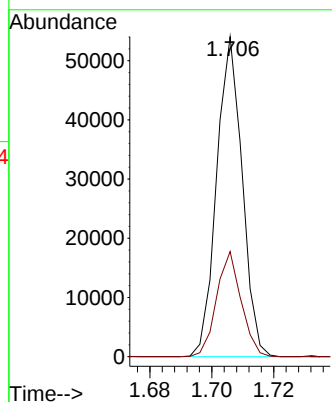
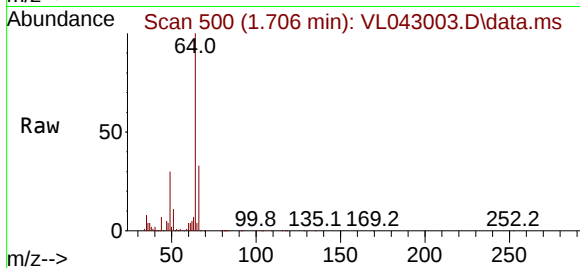




#7  
Chloroethane  
Concen: 9.593 ppbv  
RT: 1.706 min Scan# 50  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

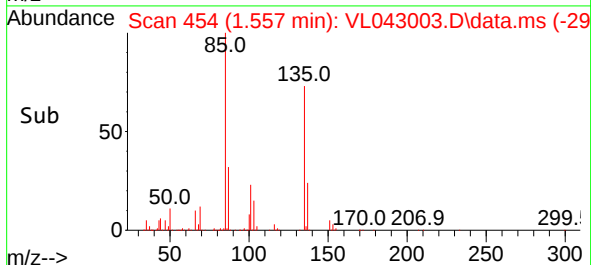
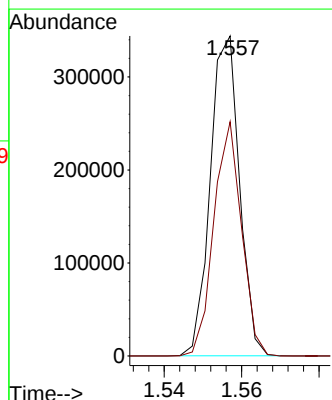
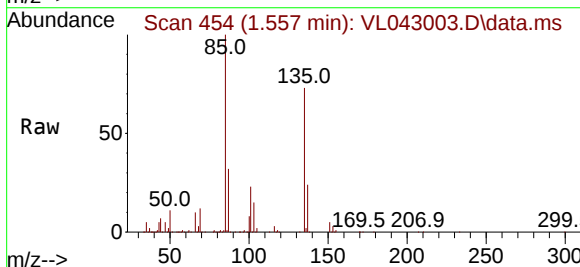
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

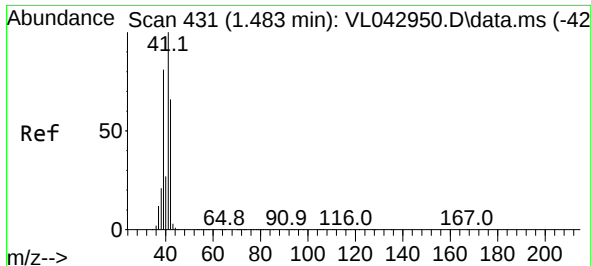
Tgt Ion: 64 Resp: 30943  
Ion Ratio Lower Upper  
64 100  
66 32.8 24.6 36.8



#8  
Dichlorotetrafluoroethane  
Concen: 10.400 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 85 Resp: 180234  
Ion Ratio Lower Upper  
85 100  
135 69.5 49.7 74.5





#9

Propene

Concen: 8.603 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

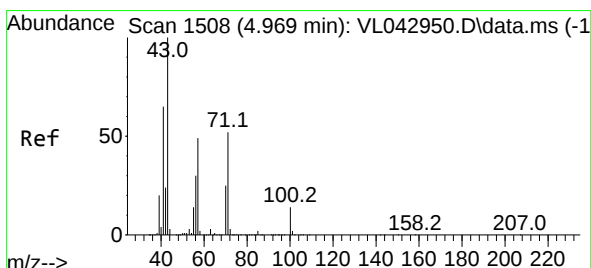
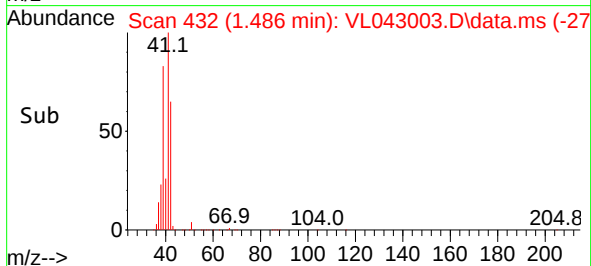
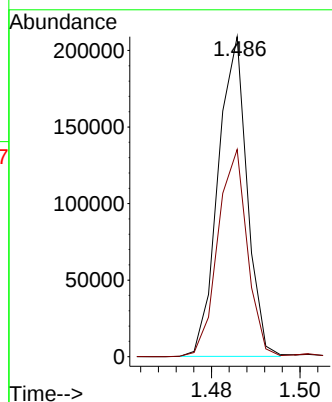
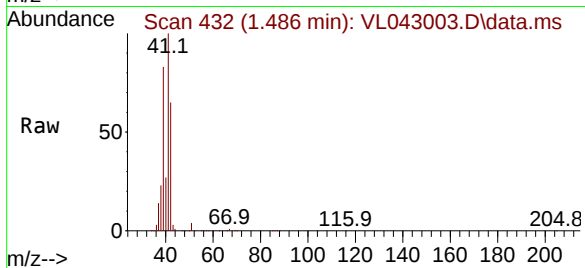
VL0924ABS01

Tgt Ion: 41 Resp: 94701

Ion Ratio Lower Upper

41 100

42 67.2 57.4 86.2



#10

Heptane

Concen: 9.340 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. 0.016 min

Lab File: VL043003.D

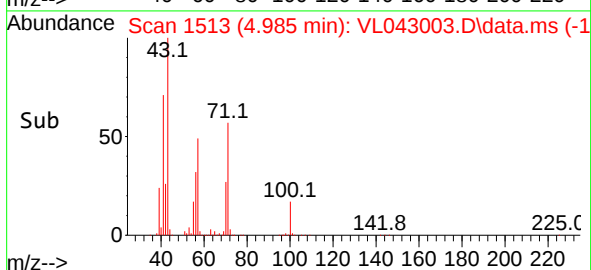
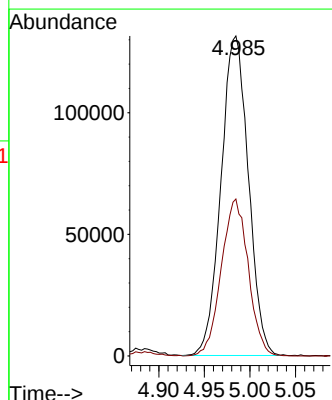
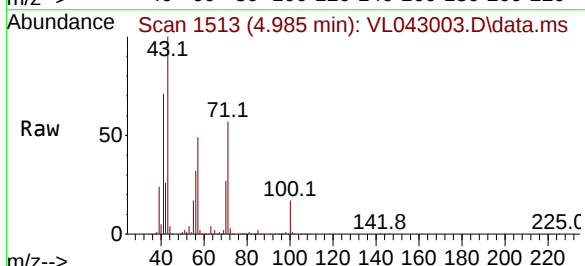
Acq: 24 Sep 2025 10:47

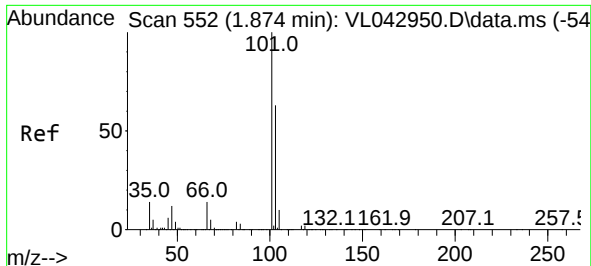
Tgt Ion: 43 Resp: 274374

Ion Ratio Lower Upper

43 100

57 48.4 38.6 57.8

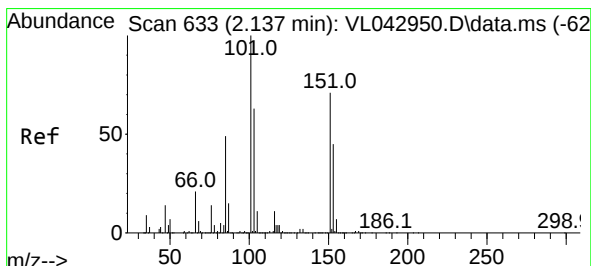
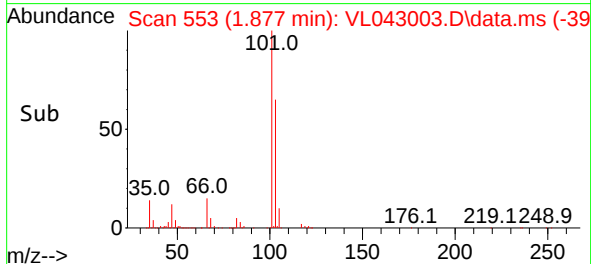
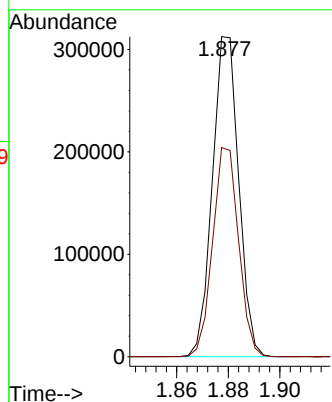
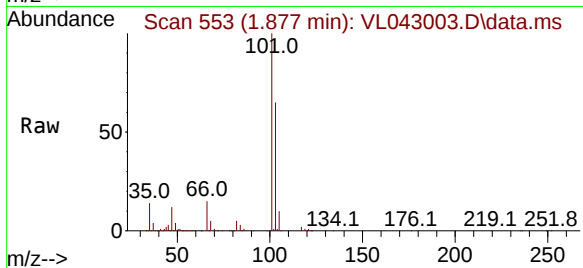




#11  
Trichlorofluoromethane  
Concen: 11.314 ppbv  
RT: 1.877 min Scan# 511  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

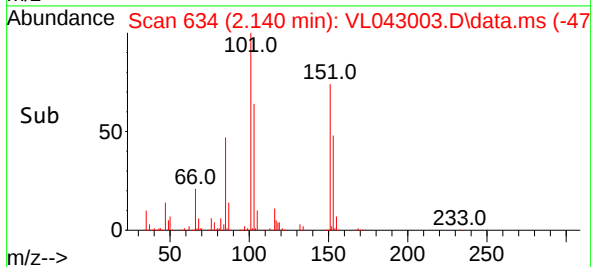
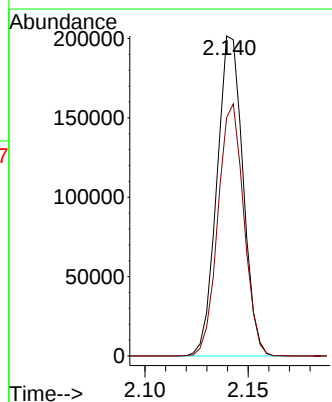
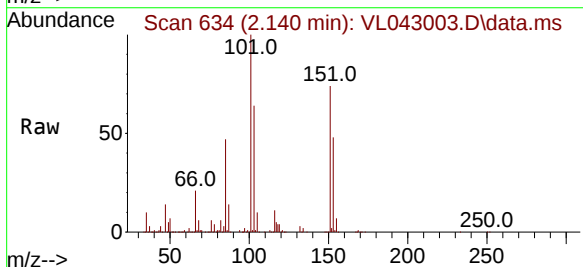
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

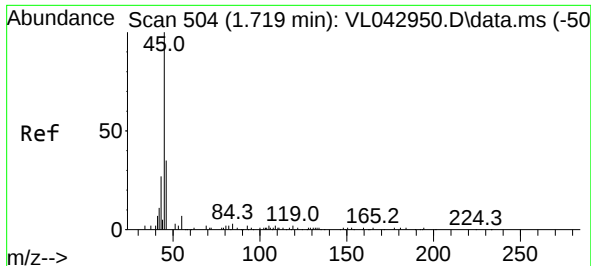
Tgt Ion:101 Resp: 221460  
Ion Ratio Lower Upper  
101 100  
103 65.3 50.1 75.1



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 11.186 ppbv  
RT: 2.140 min Scan# 634  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion:101 Resp: 177315  
Ion Ratio Lower Upper  
101 100  
151 78.0 55.7 83.5

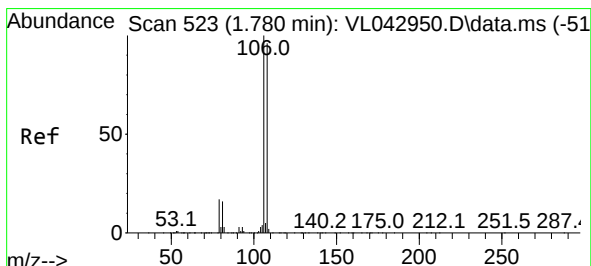
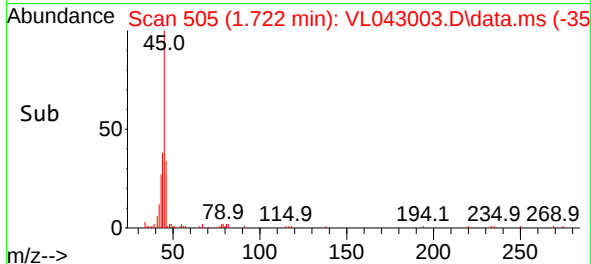
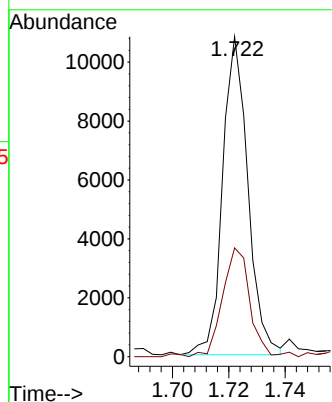
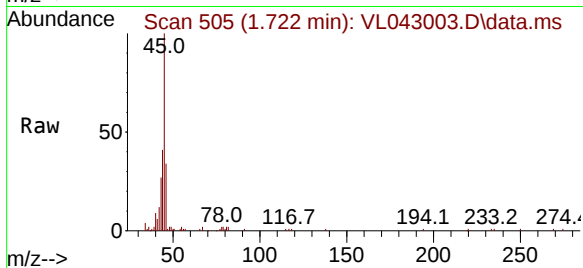




#13  
 Ethanol  
 Concen: 6.319 ppbv  
 RT: 1.722 min Scan# 504  
 Delta R.T. 0.003 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

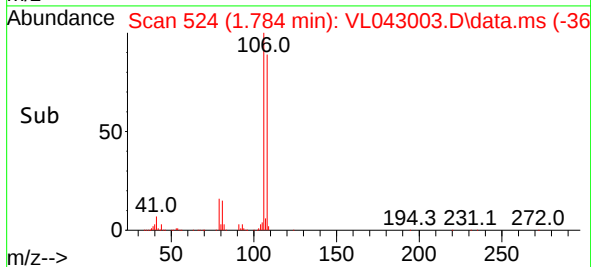
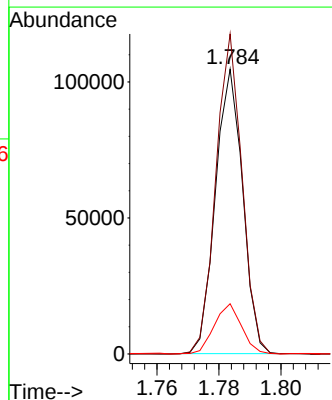
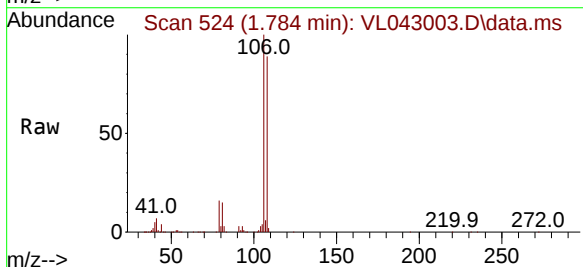
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

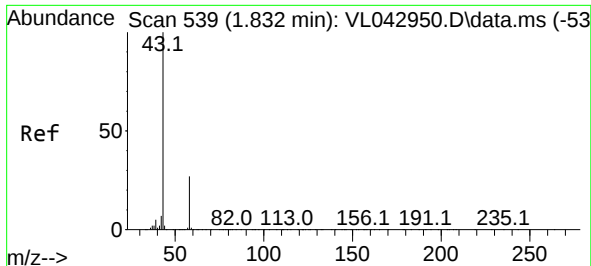
Tgt Ion: 45 Resp: 6747  
 Ion Ratio Lower Upper  
 45 100  
 46 37.4 16.2 64.6



#14  
 Bromoethene  
 Concen: 10.649 ppbv  
 RT: 1.784 min Scan# 524  
 Delta R.T. 0.003 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 108 Resp: 63818  
 Ion Ratio Lower Upper  
 108 100  
 106 107.7 86.0 129.0  
 79 18.2 14.2 21.2

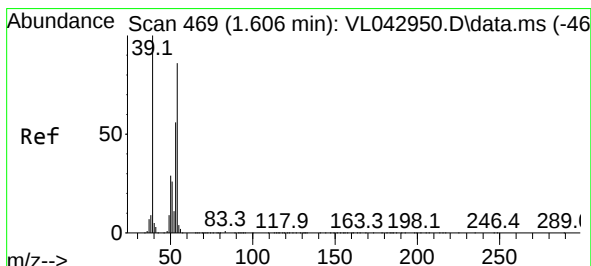
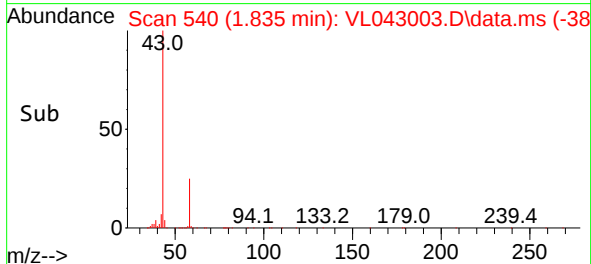
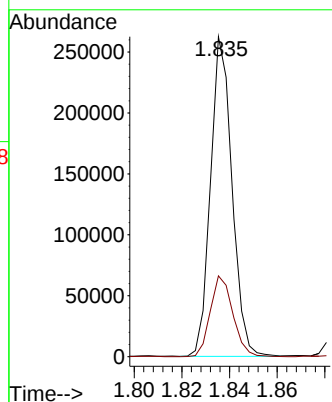
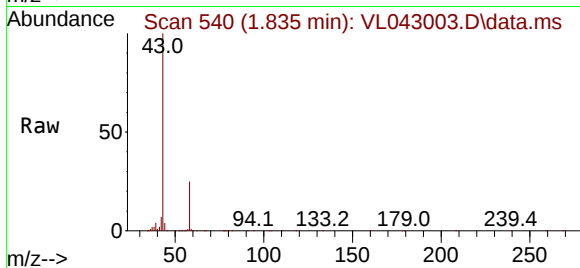




#15  
Acetone  
Concen: 8.357 ppbv  
RT: 1.835 min Scan# 54  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

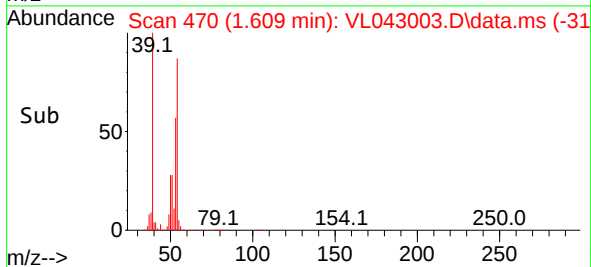
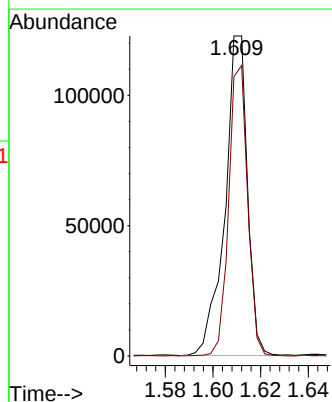
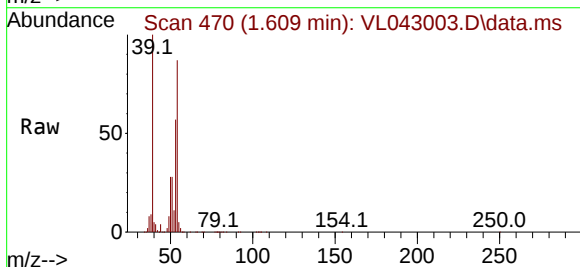
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

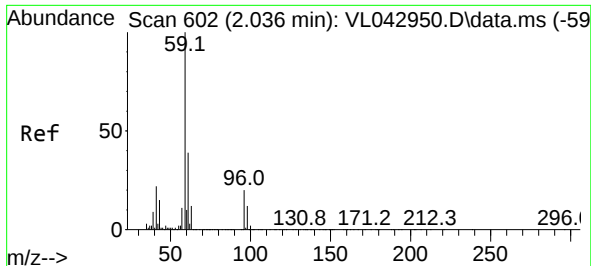
Tgt Ion: 43 Resp: 164292  
Ion Ratio Lower Upper  
43 100  
58 26.7 22.3 33.5



#16  
1,3-Butadiene  
Concen: 8.695 ppbv  
RT: 1.609 min Scan# 470  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 39 Resp: 80632  
Ion Ratio Lower Upper  
39 100  
54 77.0 60.8 91.2

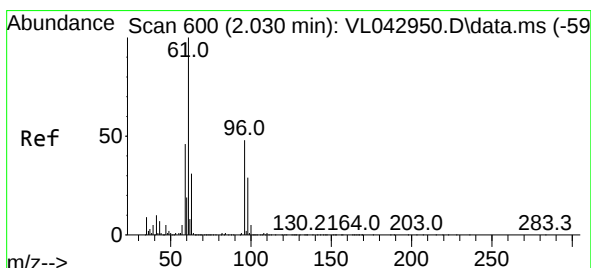
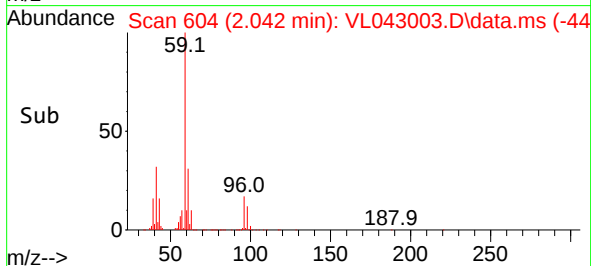
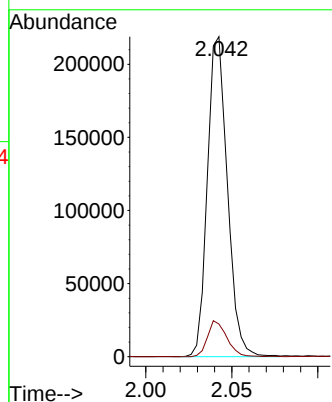
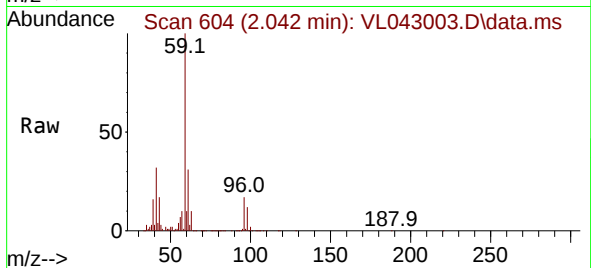




#17  
tert-Butyl alcohol  
Concen: 8.210 ppbv  
RT: 2.042 min Scan# 604  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

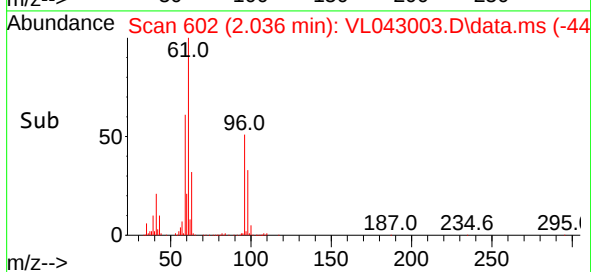
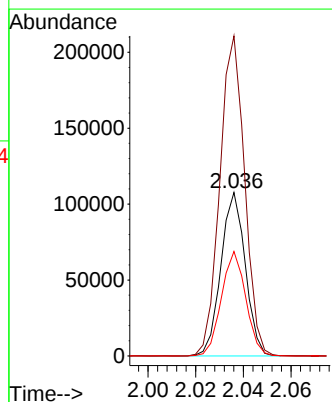
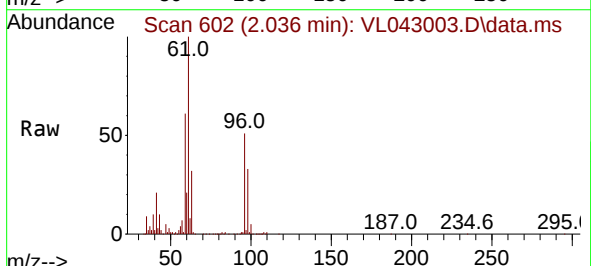
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

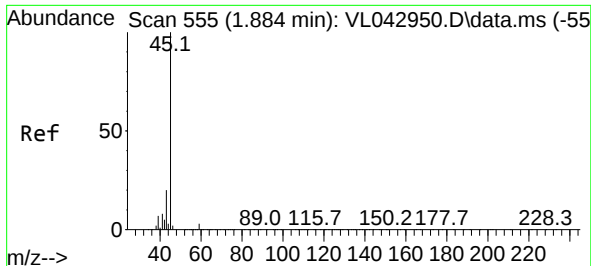
Tgt Ion: 59 Resp: 177016  
Ion Ratio Lower Upper  
59 100  
57 10.9 8.6 12.8



#18  
1,1-Dichloroethene  
Concen: 10.402 ppbv  
RT: 2.036 min Scan# 602  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 96 Resp: 76322  
Ion Ratio Lower Upper  
96 100  
61 195.7 166.2 249.4  
98 64.0 48.6 73.0

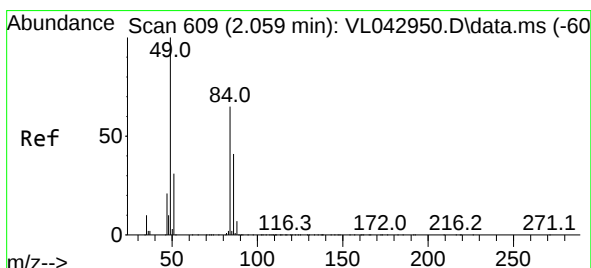
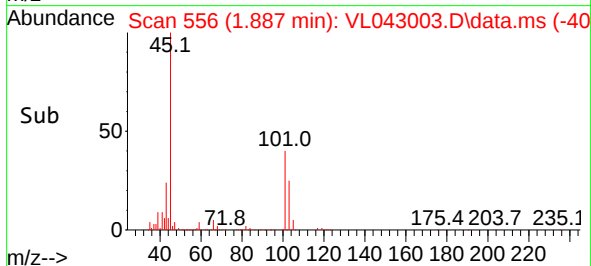
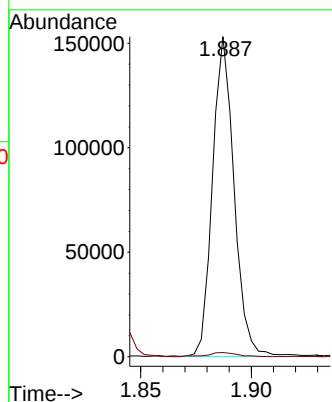
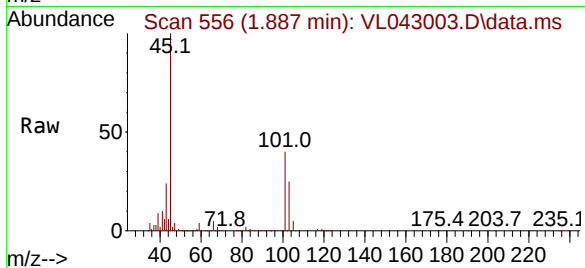




#19  
Isopropyl Alcohol  
Concen: 8.755 ppbv  
RT: 1.887 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

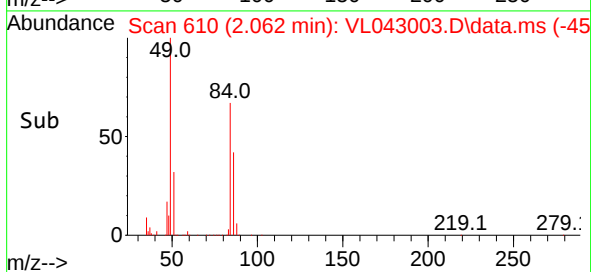
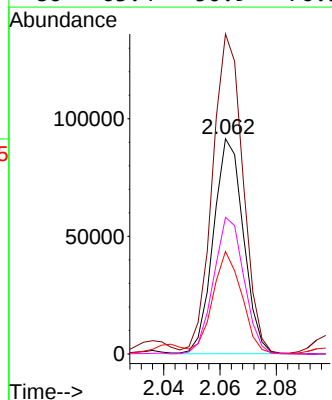
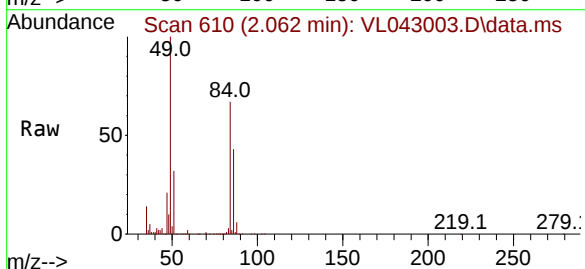
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0924ABS01

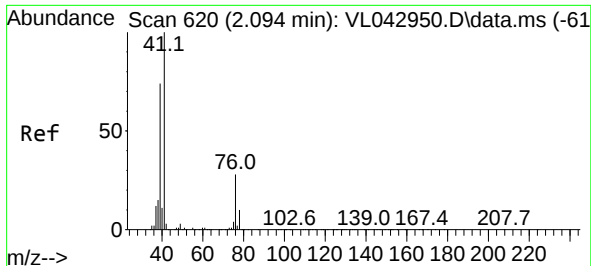
Tgt Ion: 45 Resp: 103468  
Ion Ratio Lower Upper  
45 100  
58 1.9 31.0 46.6#



#20  
Methylene Chloride  
Concen: 11.658 ppbv  
RT: 2.062 min Scan# 610  
Delta R.T. 0.003 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 84 Resp: 67676  
Ion Ratio Lower Upper  
84 100  
49 148.4 124.1 186.1  
51 47.5 39.8 59.8  
86 63.4 50.9 76.3

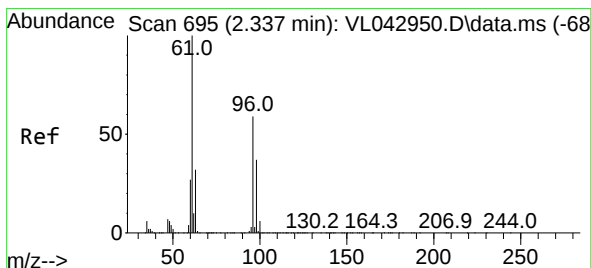
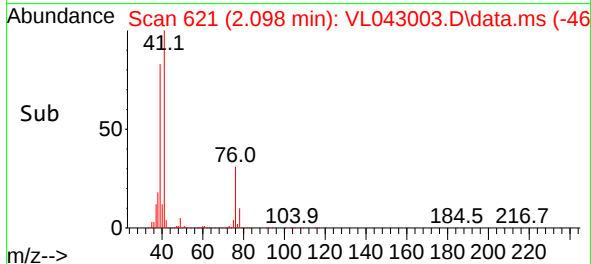
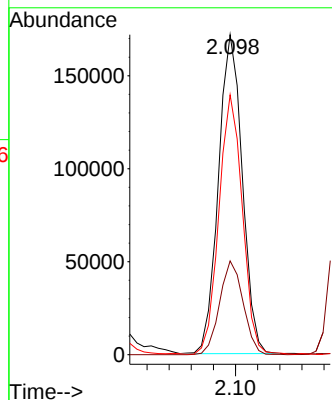
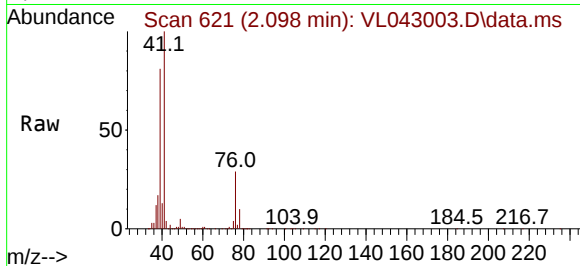




#21  
 Allyl Chloride  
 Concen: 9.385 ppbv  
 RT: 2.098 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

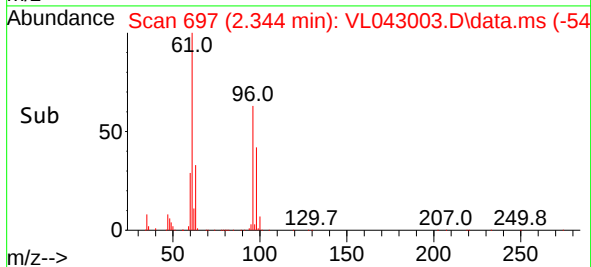
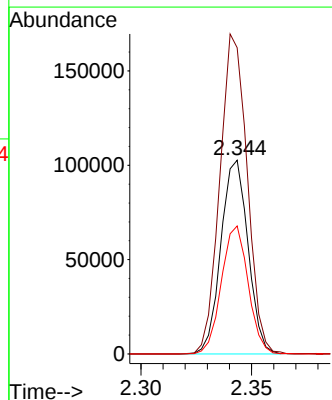
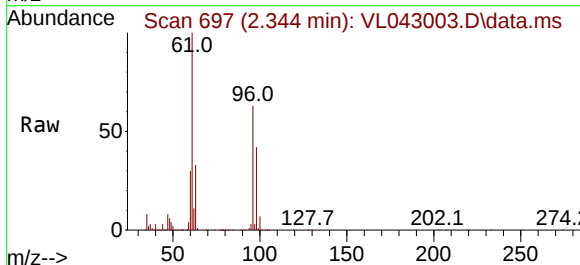
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

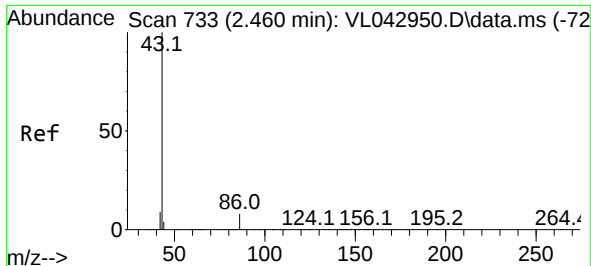
Tgt Ion: 41 Resp: 128489  
 Ion Ratio Lower Upper  
 41 100  
 76 28.9 22.3 33.5  
 39 79.5 61.3 91.9



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.513 ppbv  
 RT: 2.344 min Scan# 697  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 96 Resp: 87647  
 Ion Ratio Lower Upper  
 96 100  
 61 158.1 136.5 204.7  
 98 66.1 50.6 76.0



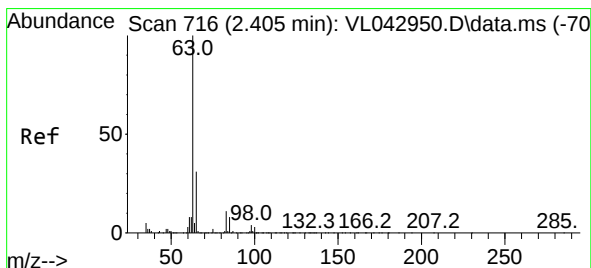
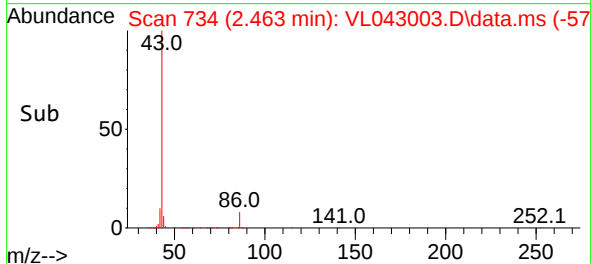
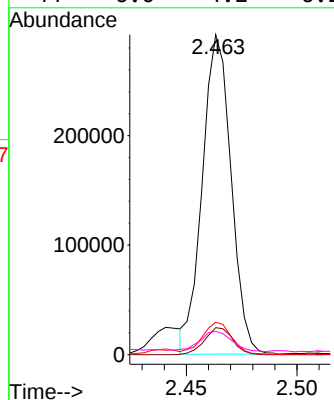
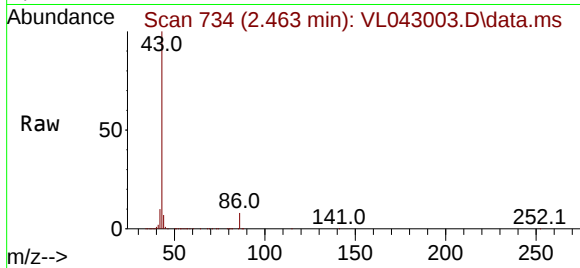


#23  
 Vinyl Acetate  
 Concen: 9.384 ppbv  
 RT: 2.463 min Scan# 718  
 Delta R.T. 0.003 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0924ABS01

Tgt Ion: 43 Resp: 263532

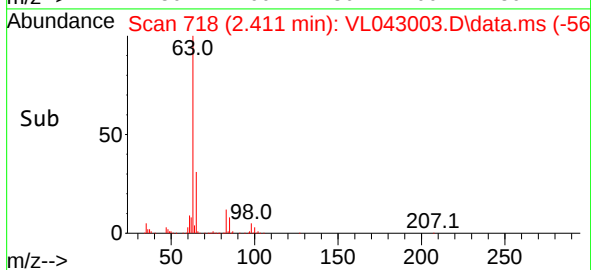
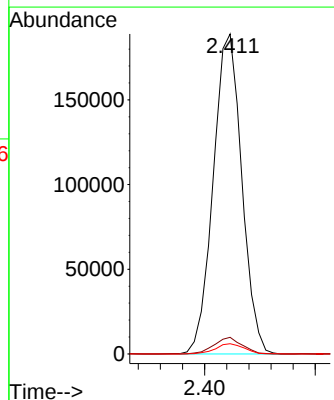
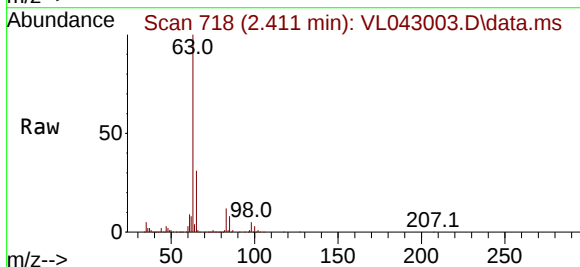
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 8.5   | 6.2   | 9.2   |
| 42  | 10.1  | 7.4   | 11.0  |
| 44  | 6.0   | 4.2   | 6.2   |

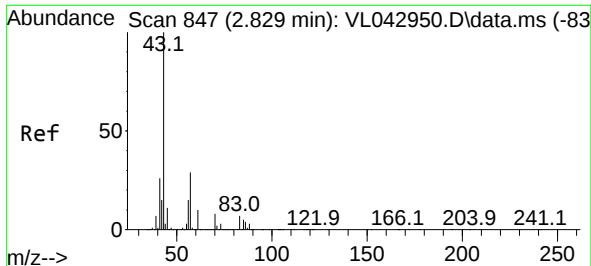


#24  
 1,1-Dichloroethane  
 Concen: 10.350 ppbv  
 RT: 2.411 min Scan# 718  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 63 Resp: 169220

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 5.2   | 2.2   | 6.6   |
| 100 | 3.2   | 1.4   | 4.0   |

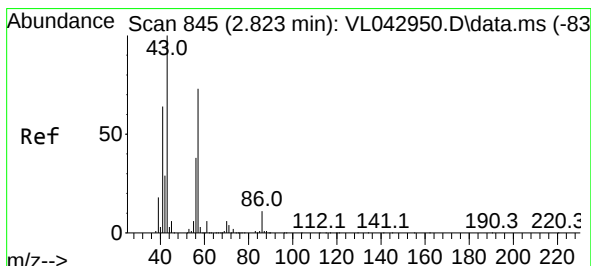
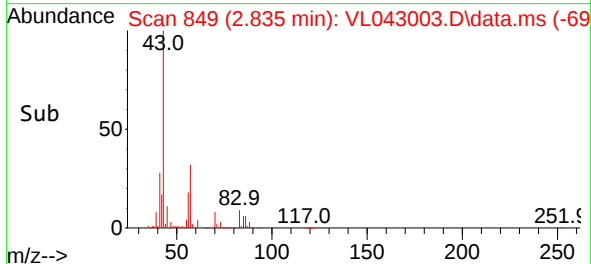
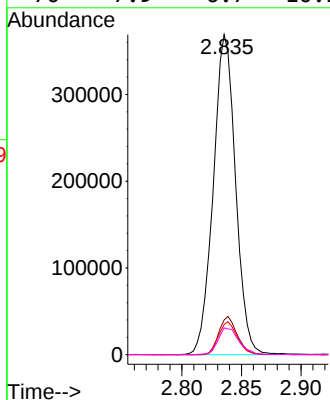
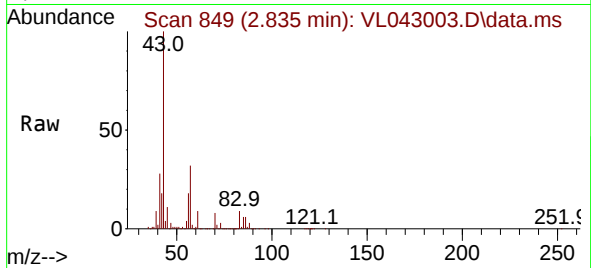




#25  
Ethyl Acetate  
Concen: 9.642 ppbv  
RT: 2.835 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

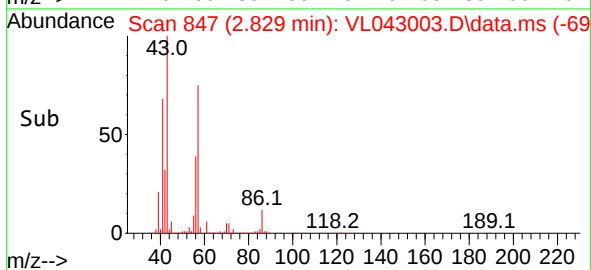
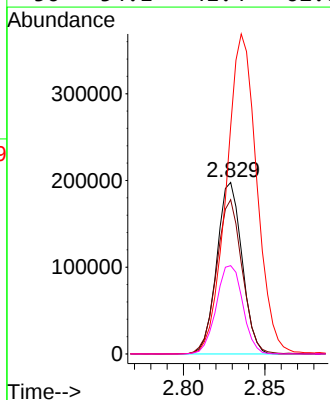
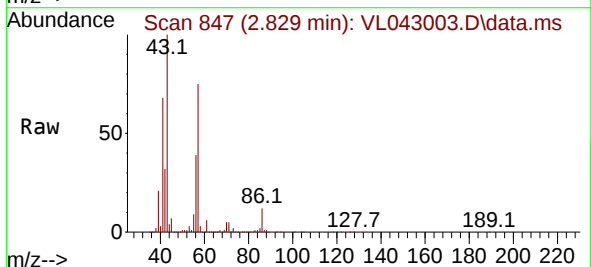
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL0924ABS01

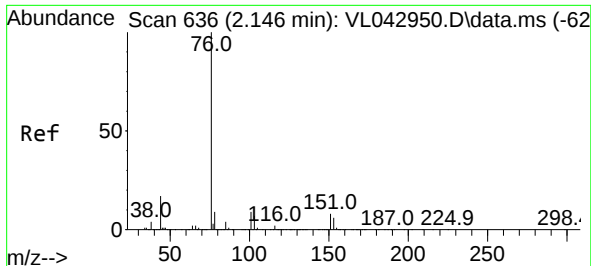
|             |              |
|-------------|--------------|
| Tgt Ion: 43 | Resp: 479080 |
| Ion Ratio   | Lower Upper  |
| 43 100      |              |
| 45 9.9      | 7.7 11.5     |
| 61 8.6      | 7.1 10.7     |
| 70 7.9      | 6.7 10.1     |



#26  
Hexane  
Concen: 9.374 ppbv  
RT: 2.829 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

|             |              |
|-------------|--------------|
| Tgt Ion: 57 | Resp: 212295 |
| Ion Ratio   | Lower Upper  |
| 57 100      |              |
| 41 92.4     | 71.7 107.5   |
| 43 226.2    | 180.8 271.2  |
| 56 54.1     | 41.4 62.0    |





#27

Carbon Disulfide

Concen: 10.077 ppbv

RT: 2.153 min Scan# 61

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

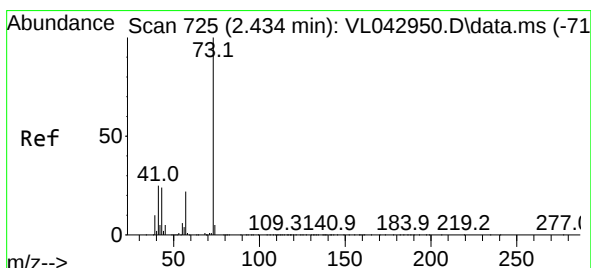
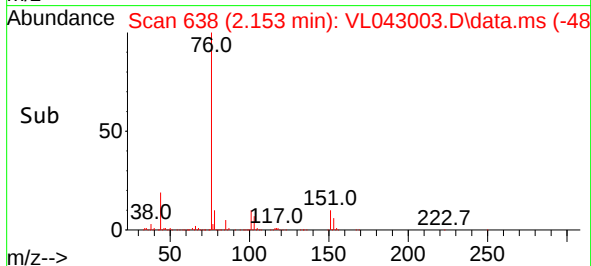
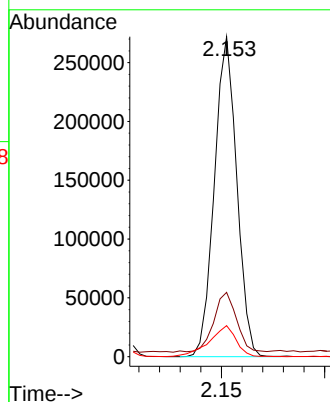
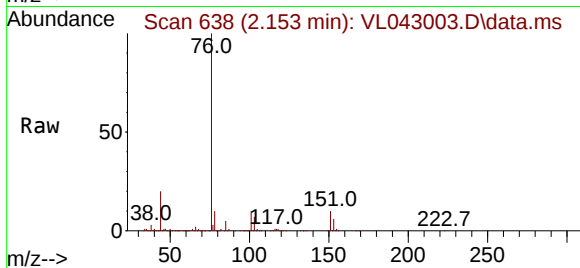
Tgt Ion: 76 Resp: 204686

Ion Ratio Lower Upper

76 100

44 20.5 15.6 23.4

78 11.7 8.9 13.3



#28

Methyl tert-Butyl Ether

Concen: 8.724 ppbv

RT: 2.441 min Scan# 727

Delta R.T. 0.006 min

Lab File: VL043003.D

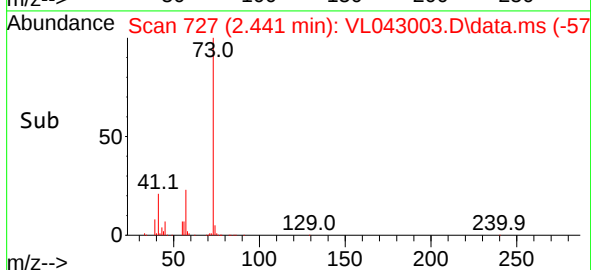
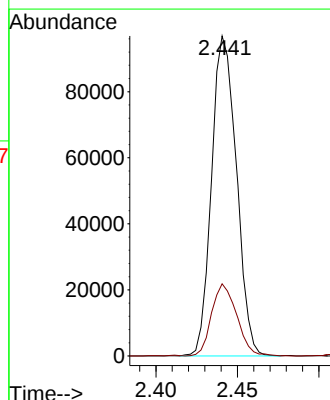
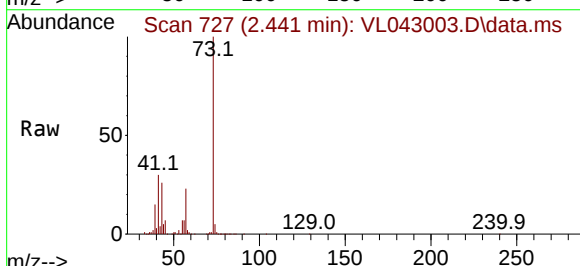
Acq: 24 Sep 2025 10:47

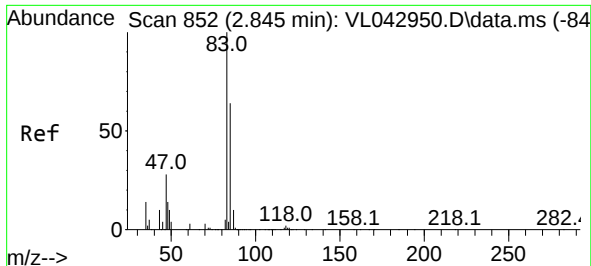
Tgt Ion: 73 Resp: 102709

Ion Ratio Lower Upper

73 100

57 23.0 20.6 31.0





#29

Chloroform

Concen: 11.050 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

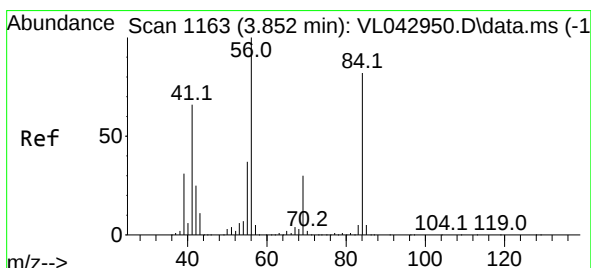
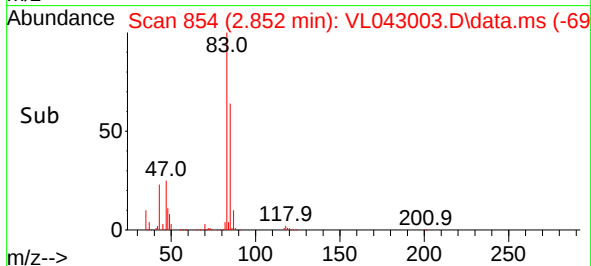
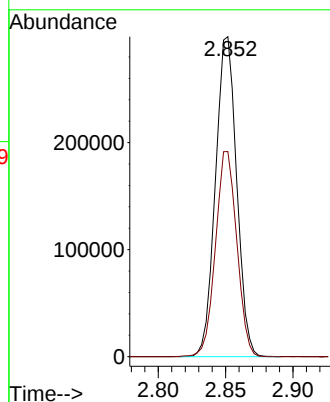
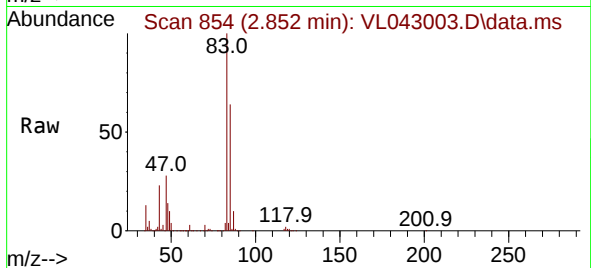
VL0924ABS01

Tgt Ion: 83 Resp: 327227

Ion Ratio Lower Upper

83 100

85 64.1 51.2 76.8



#30

Cyclohexane

Concen: 9.579 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. 0.010 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

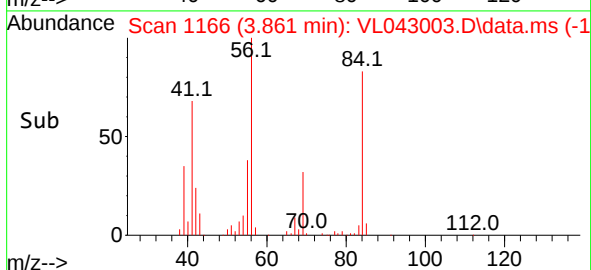
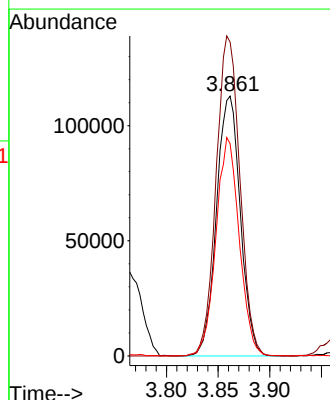
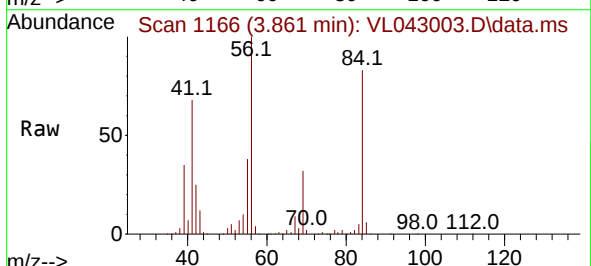
Tgt Ion: 84 Resp: 181395

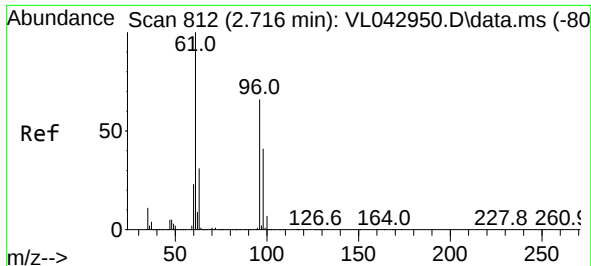
Ion Ratio Lower Upper

84 100

56 122.7 102.2 153.4

41 82.2 65.6 98.4

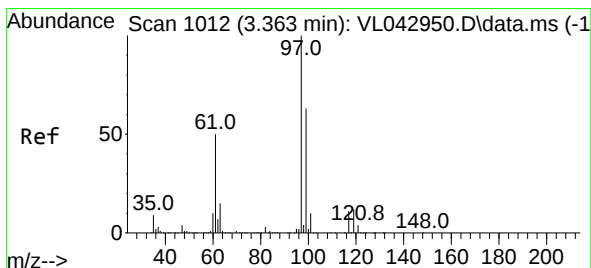
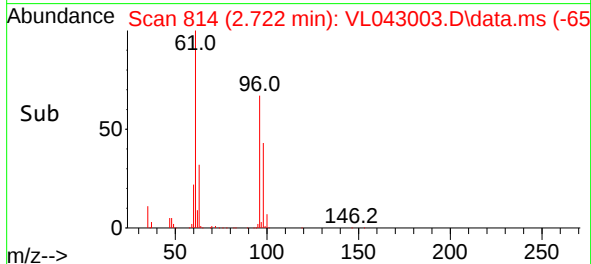
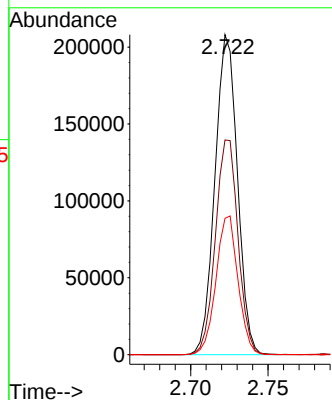
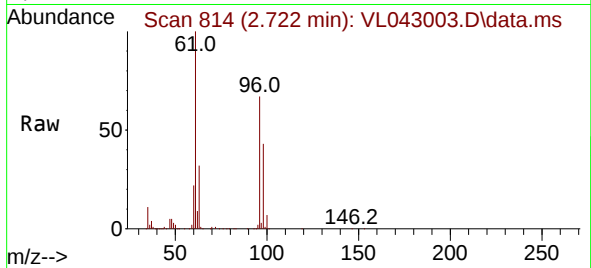




#31  
 cis-1,2-Dichloroethene  
 Concen: 9.918 ppbv  
 RT: 2.722 min Scan# 812  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

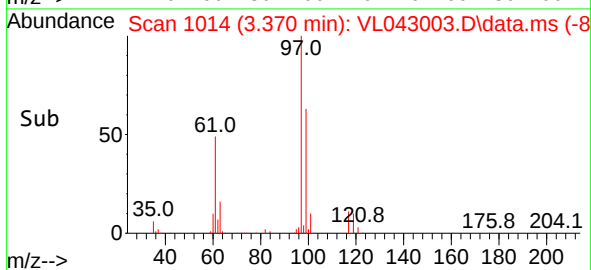
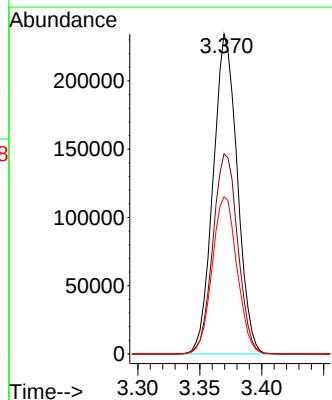
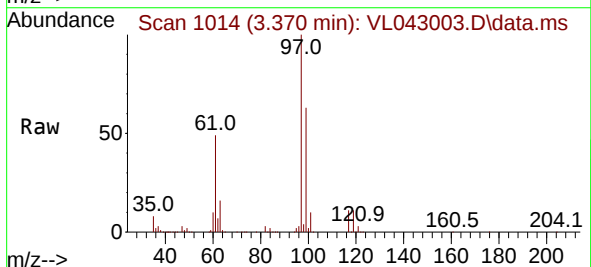
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

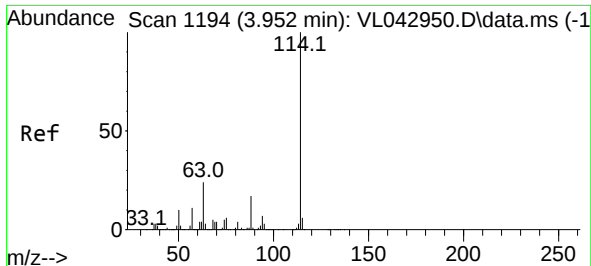
Tgt Ion: 61 Resp: 210432  
 Ion Ratio Lower Upper  
 61 100  
 96 67.1 53.0 79.6  
 98 42.6 32.9 49.3



#32  
 1,1,1-Trichloroethane  
 Concen: 9.957 ppbv  
 RT: 3.370 min Scan# 1014  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 97 Resp: 318480  
 Ion Ratio Lower Upper  
 97 100  
 99 64.5 51.1 76.7  
 61 50.6 39.8 59.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.010 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

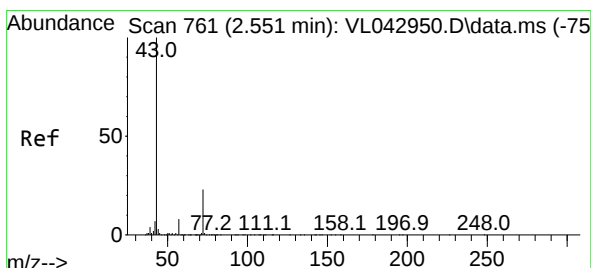
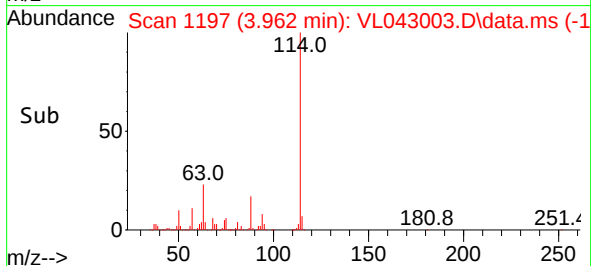
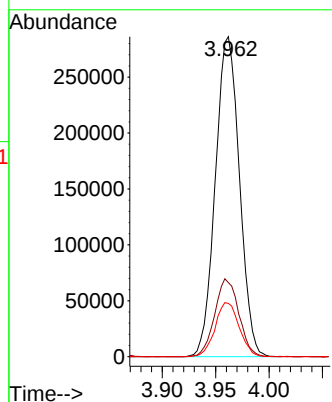
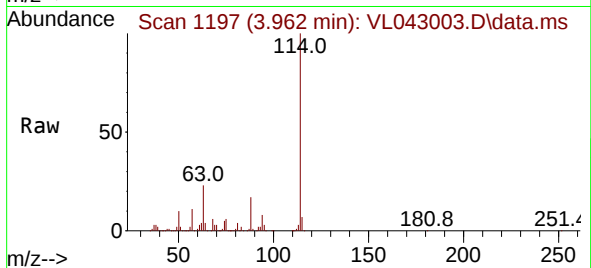
Tgt Ion:114 Resp: 449573

Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.2

88 16.9 14.2 21.2



#34

2-Butanone

Concen: 9.890 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL043003.D

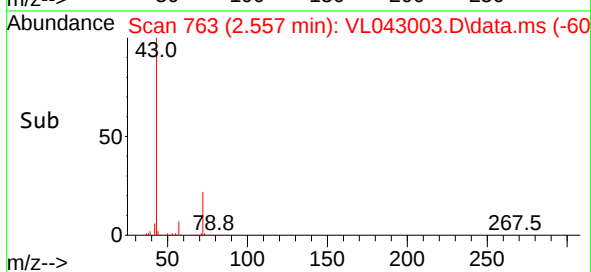
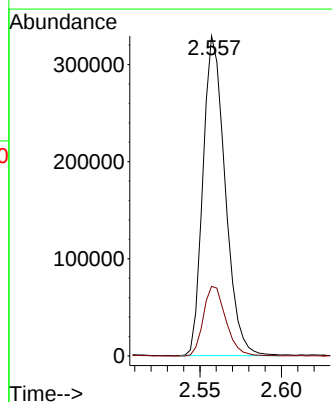
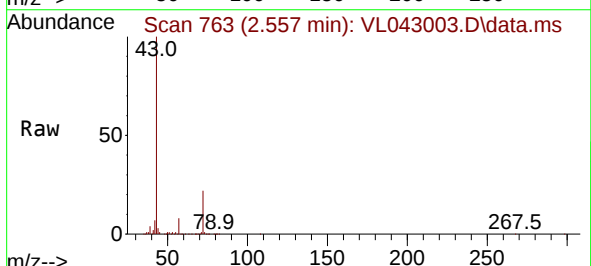
Acq: 24 Sep 2025 10:47

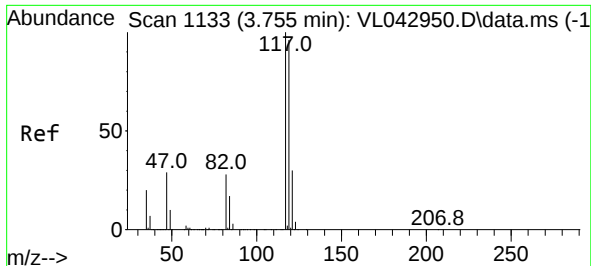
Tgt Ion: 43 Resp: 311605

Ion Ratio Lower Upper

43 100

72 22.2 17.7 26.5

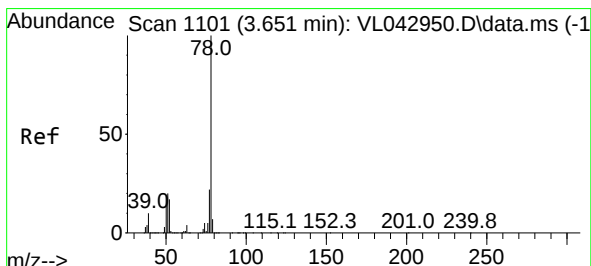
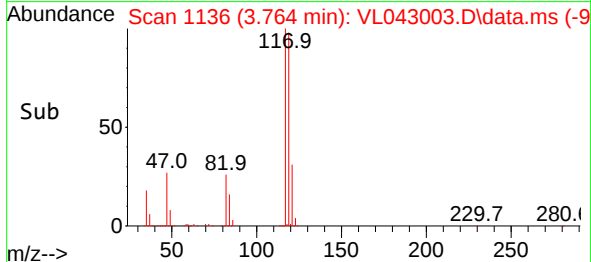
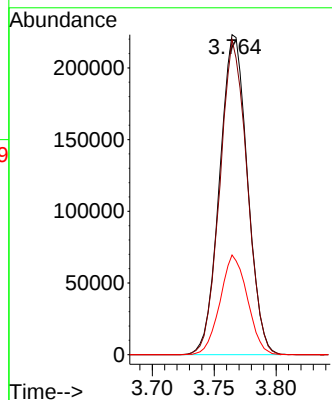
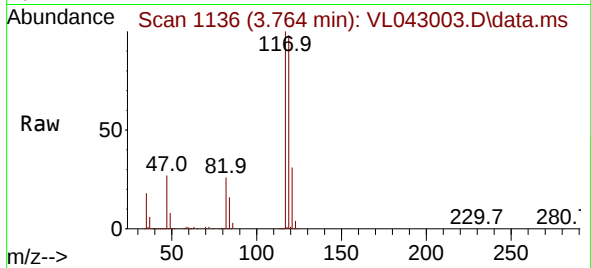




#35  
Carbon Tetrachloride  
Concen: 11.936 ppbv  
RT: 3.764 min Scan# 1136  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

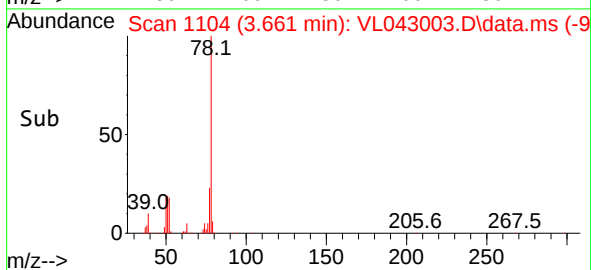
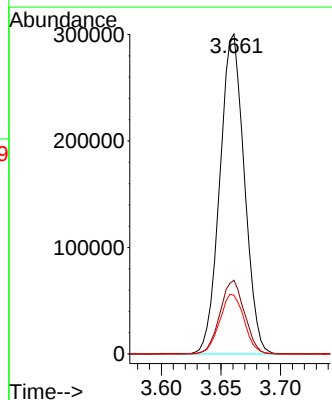
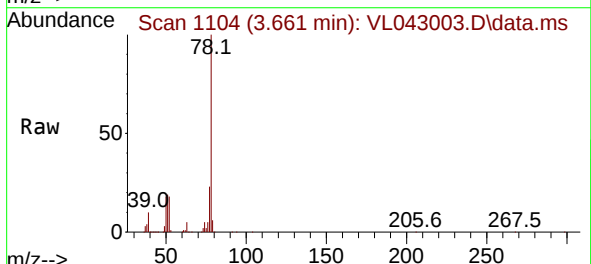
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

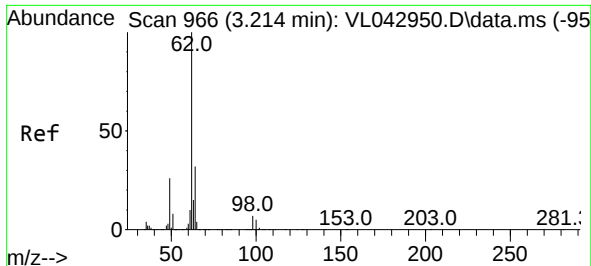
Tgt Ion:117 Resp: 349345  
Ion Ratio Lower Upper  
117 100  
119 98.4 76.9 115.3  
121 31.2 23.7 35.5



#36  
Benzene  
Concen: 10.160 ppbv  
RT: 3.661 min Scan# 1104  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 78 Resp: 428947  
Ion Ratio Lower Upper  
78 100  
77 23.0 17.8 26.6  
50 18.3 15.0 22.4





#37

1,2-Dichloroethane

Concen: 11.066 ppbv

RT: 3.221 min Scan# 9

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

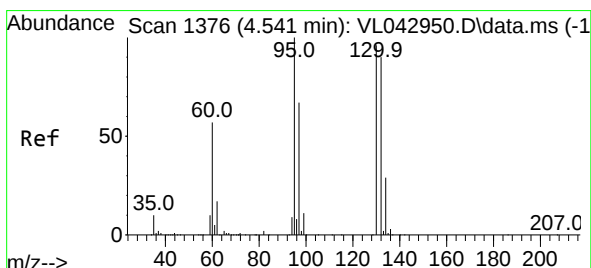
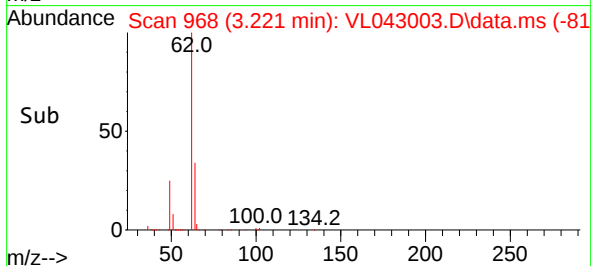
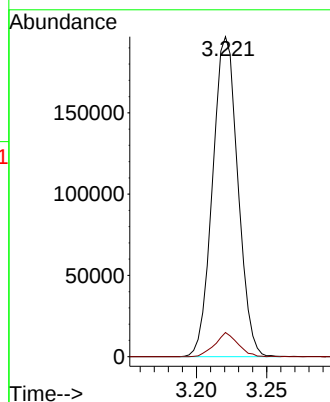
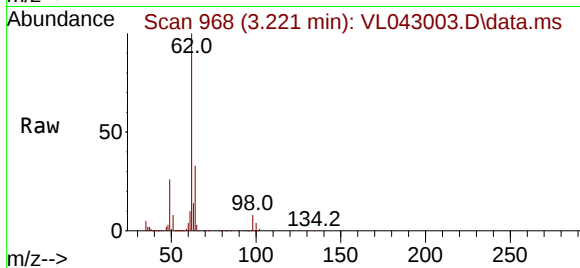
VL0924ABS01

Tgt Ion: 62 Resp: 245698

Ion Ratio Lower Upper

62 100

98 6.9 5.9 8.9



#38

Trichloroethene

Concen: 10.483 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. 0.013 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Tgt Ion:130 Resp: 219940

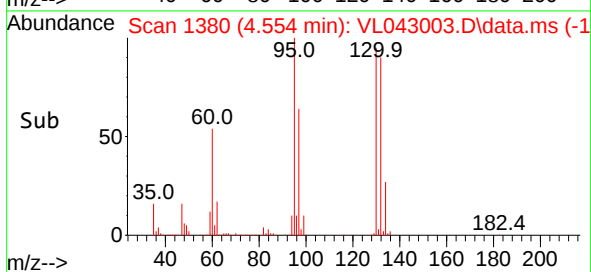
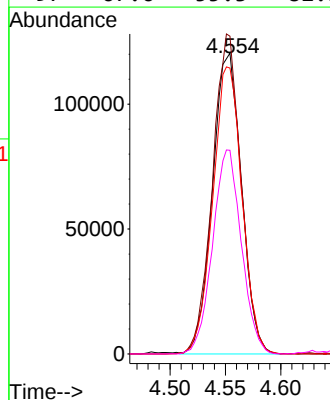
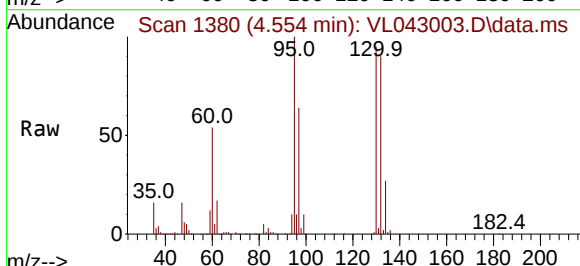
Ion Ratio Lower Upper

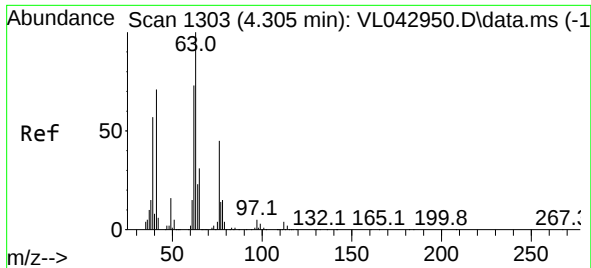
130 100

95 105.5 83.0 124.4

132 95.0 74.6 112.0

97 67.6 55.3 82.9

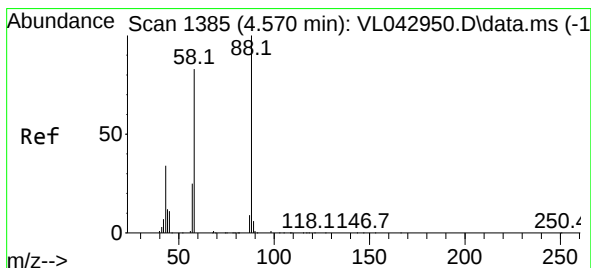
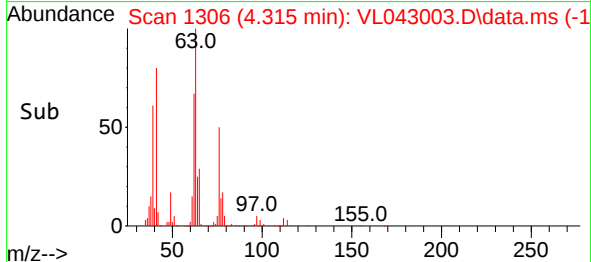
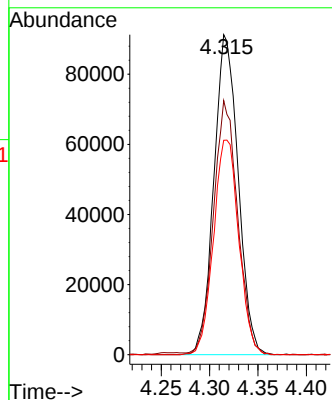
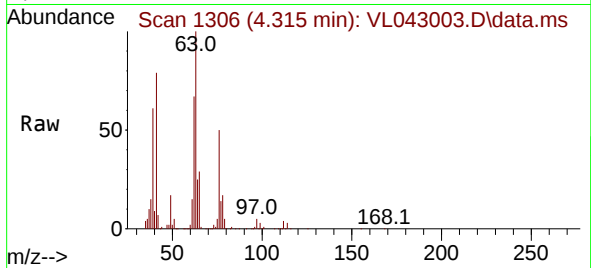




#39  
 1,2-Dichloropropane  
 Concen: 10.332 ppbv  
 RT: 4.315 min Scan# 11  
 Delta R.T. 0.010 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

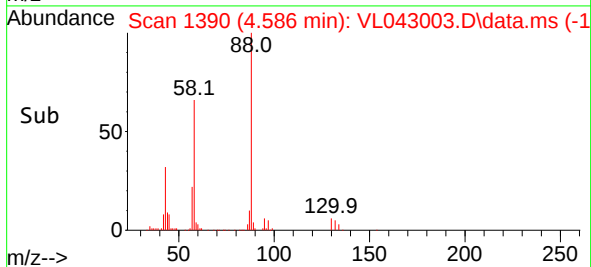
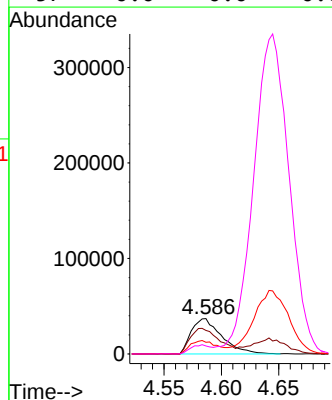
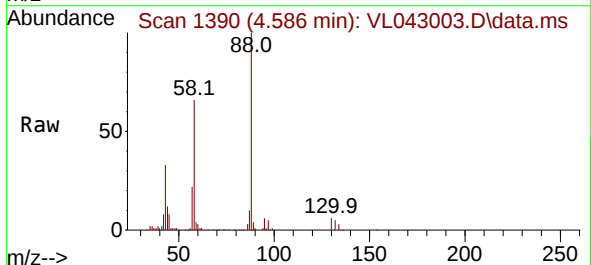
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

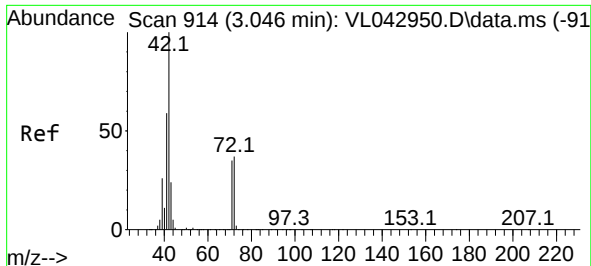
Tgt Ion: 63 Resp: 159234  
 Ion Ratio Lower Upper  
 63 100  
 41 79.4 57.5 86.3  
 62 67.0 58.5 87.7



#40  
 1,4-Dioxane  
 Concen: 9.562 ppbv  
 RT: 4.586 min Scan# 1390  
 Delta R.T. 0.016 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 88 Resp: 68528  
 Ion Ratio Lower Upper  
 88 100  
 58 71.4 59.7 89.5  
 43 34.6 28.9 43.3  
 57 0.0 0.0 0.0

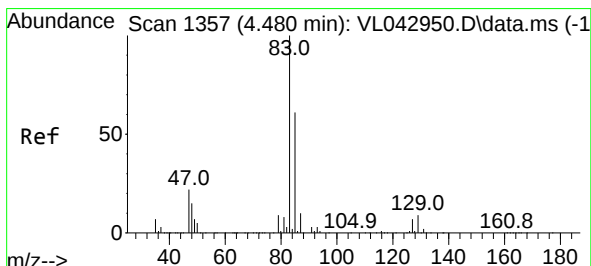
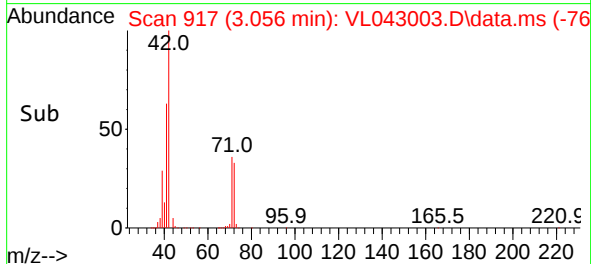
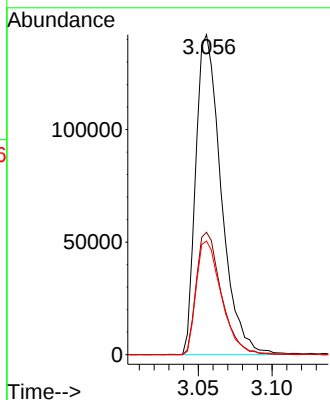
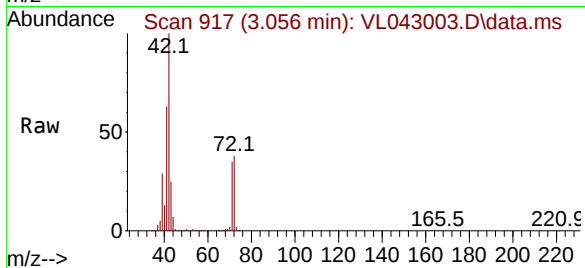




#41  
Tetrahydrofuran  
Concen: 9.428 ppbv  
RT: 3.056 min Scan# 914  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

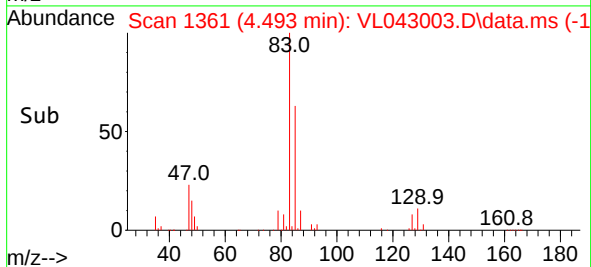
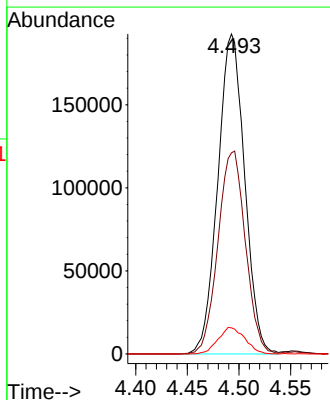
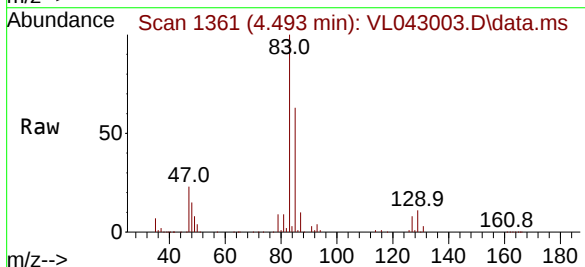
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

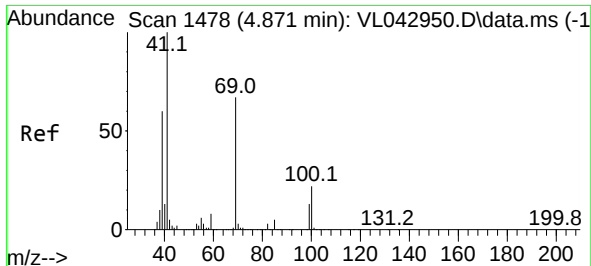
Tgt Ion: 42 Resp: 170739  
Ion Ratio Lower Upper  
42 100  
72 37.6 30.0 45.0  
71 35.4 28.8 43.2



#42  
Bromodichloromethane  
Concen: 11.267 ppbv  
RT: 4.493 min Scan# 1361  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 83 Resp: 348397  
Ion Ratio Lower Upper  
83 100  
85 62.9 49.0 73.6  
127 8.2 5.3 7.9

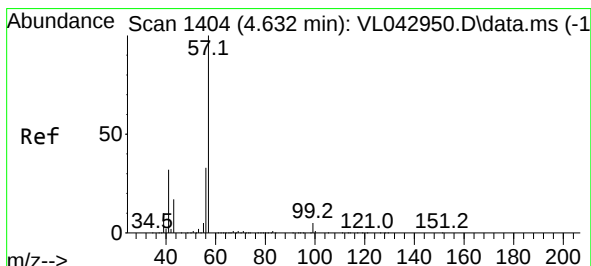
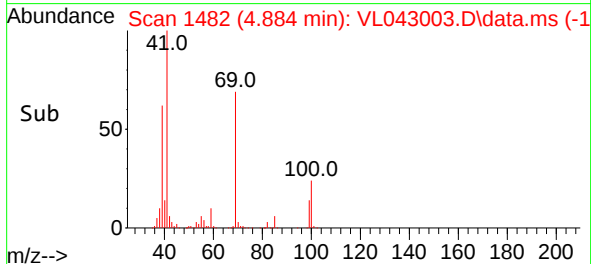
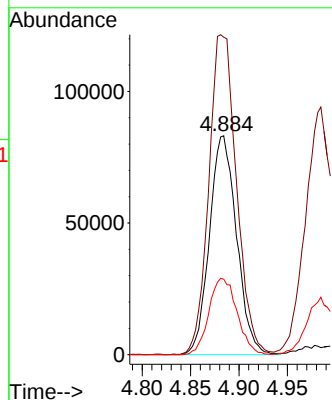
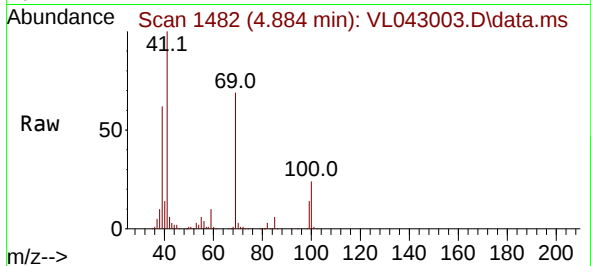




#43  
Methyl Methacrylate  
Concen: 9.388 ppbv  
RT: 4.884 min Scan# 1478  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

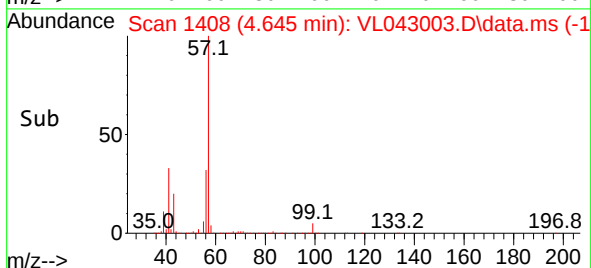
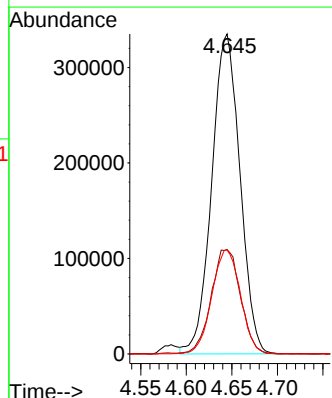
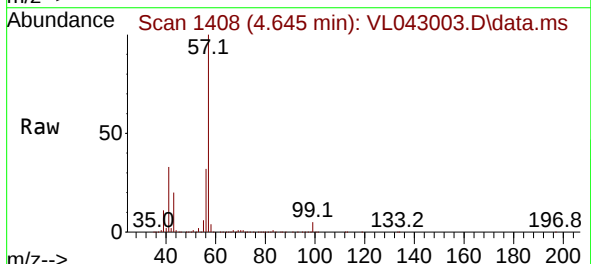
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

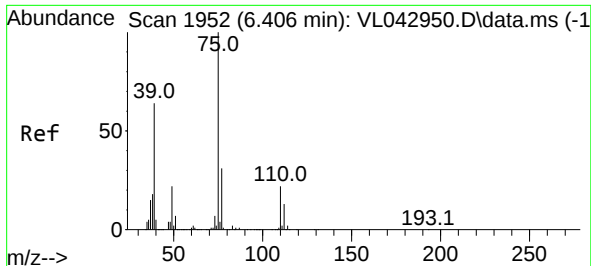
Tgt Ion: 69 Resp: 162155  
Ion Ratio Lower Upper  
69 100  
41 149.0 124.5 186.7  
100 36.2 29.0 43.6



#44  
2,2,4-Trimethylpentane  
Concen: 9.907 ppbv  
RT: 4.645 min Scan# 1408  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 57 Resp: 722416  
Ion Ratio Lower Upper  
57 100  
41 34.3 25.5 38.3  
56 33.1 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 9.119 ppbv

RT: 6.418 min Scan# 1952

Delta R.T. 0.013 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

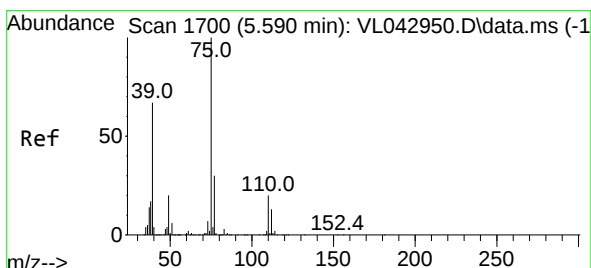
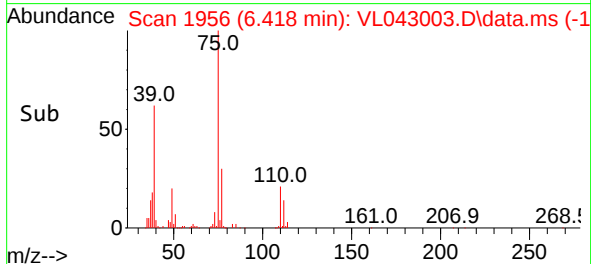
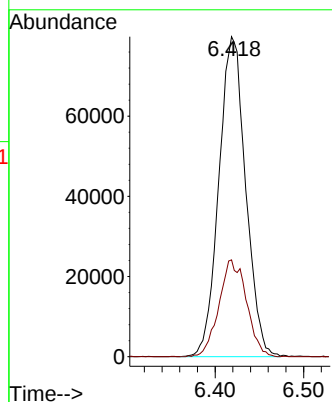
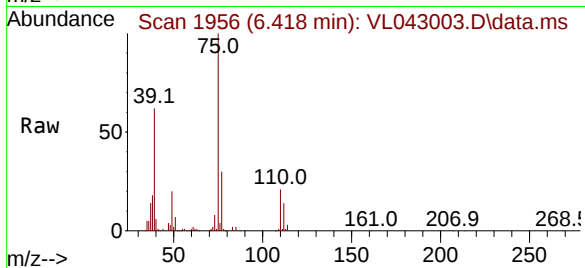
VL0924ABS01

Tgt Ion: 75 Resp: 167990

Ion Ratio Lower Upper

75 100

77 30.2 25.0 37.4



#46

cis-1,3-Dichloropropene

Concen: 9.502 ppbv

RT: 5.606 min Scan# 1705

Delta R.T. 0.016 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

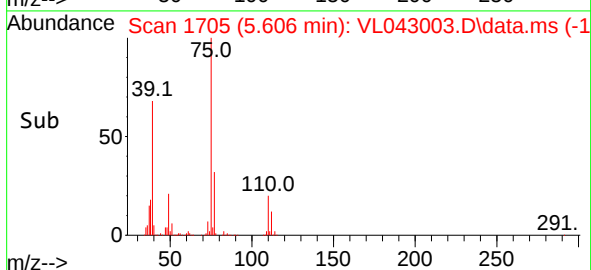
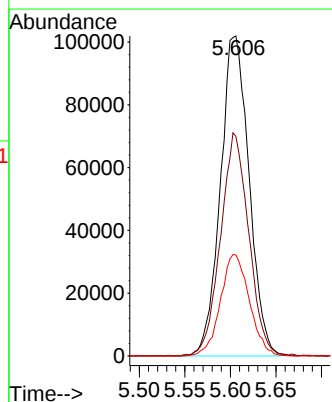
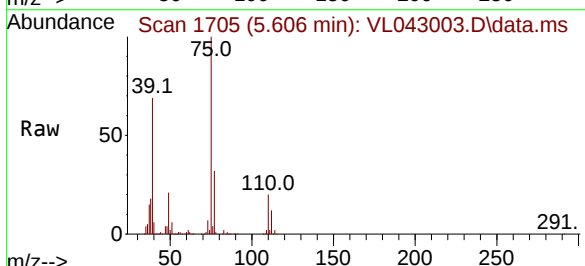
Tgt Ion: 75 Resp: 223077

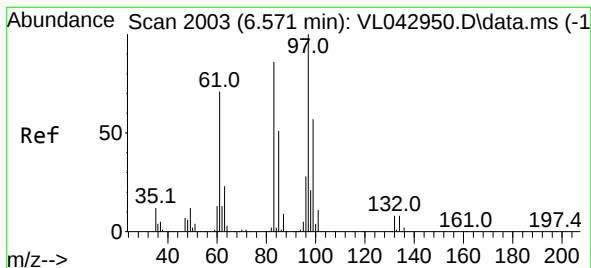
Ion Ratio Lower Upper

75 100

39 68.7 53.8 80.6

77 31.5 23.6 35.4





#47

1,1,2-Trichloroethane

Concen: 10.691 ppbv

RT: 6.583 min Scan# 2007

Delta R.T. 0.013 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

Tgt Ion: 97 Resp: 174093

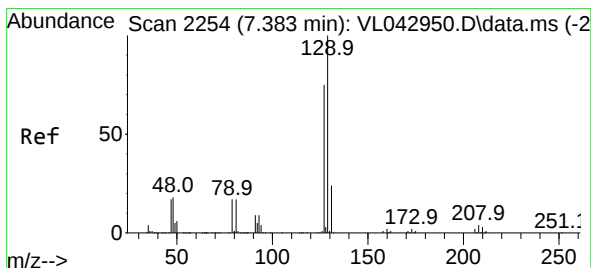
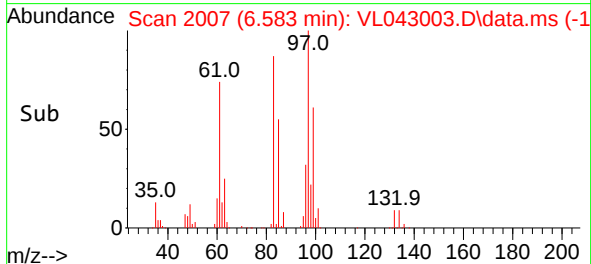
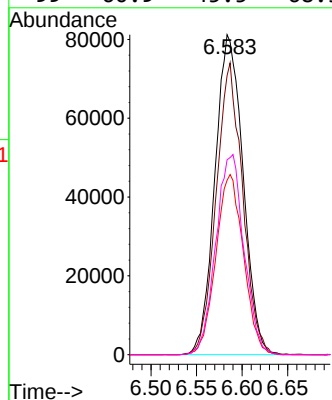
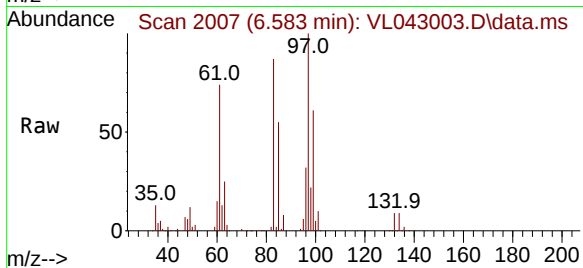
Ion Ratio Lower Upper

97 100

83 87.1 68.7 103.1

85 54.5 40.6 60.8

99 60.9 45.5 68.3



#48

Dibromochloromethane

Concen: 11.874 ppbv

RT: 7.393 min Scan# 2257

Delta R.T. 0.010 min

Lab File: VL043003.D

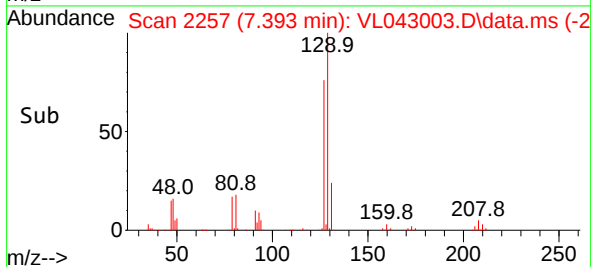
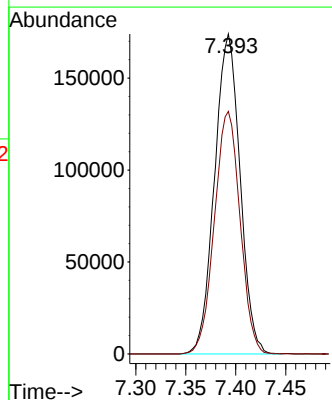
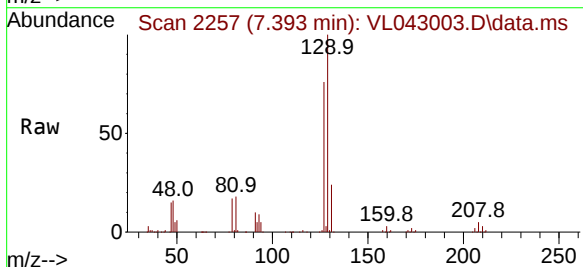
Acq: 24 Sep 2025 10:47

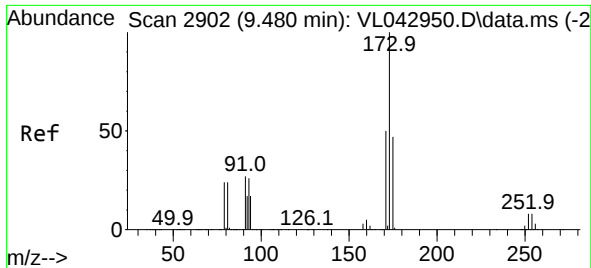
Tgt Ion: 129 Resp: 309350

Ion Ratio Lower Upper

129 100

127 76.2 39.1 117.2





#49

Bromoform

Concen: 12.339 ppbv

RT: 9.487 min Scan# 2902

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

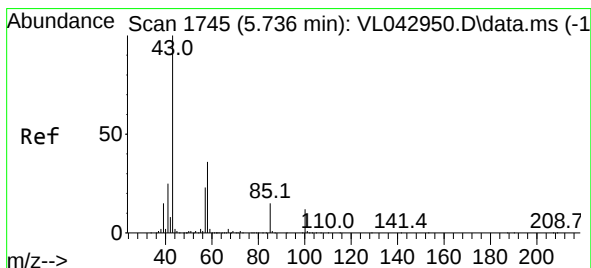
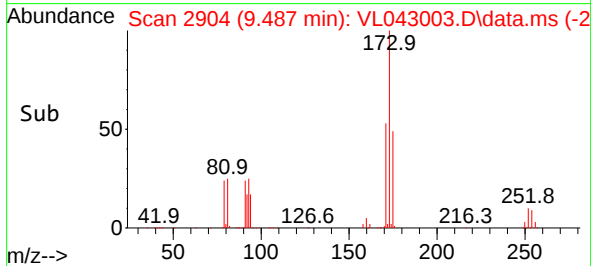
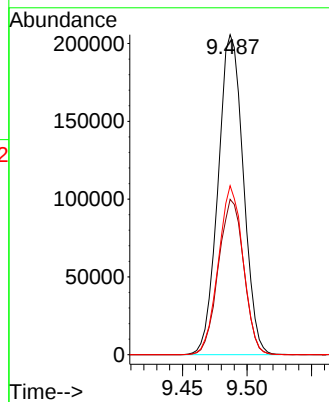
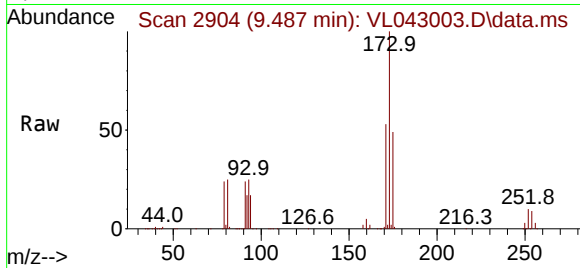
Tgt Ion:173 Resp: 279638

Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

171 51.7 41.1 61.7



#50

4-Methyl-2-Pentanone

Concen: 10.018 ppbv

RT: 5.752 min Scan# 1750

Delta R.T. 0.016 min

Lab File: VL043003.D

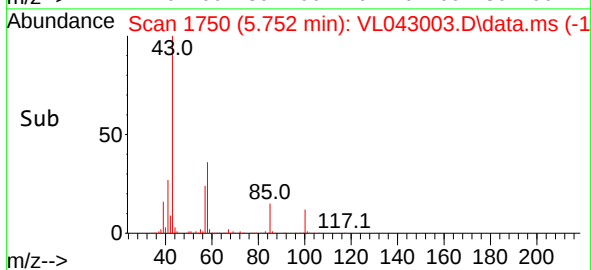
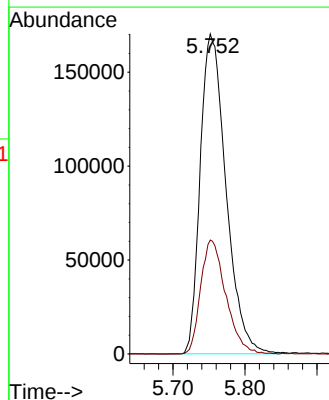
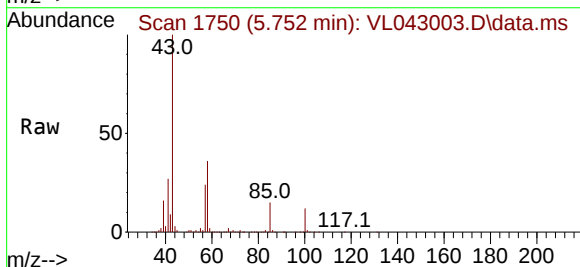
Acq: 24 Sep 2025 10:47

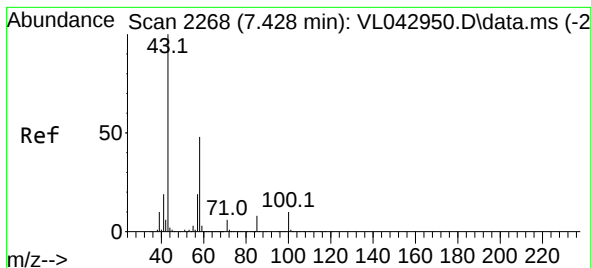
Tgt Ion: 43 Resp: 423045

Ion Ratio Lower Upper

43 100

58 34.8 28.4 42.6

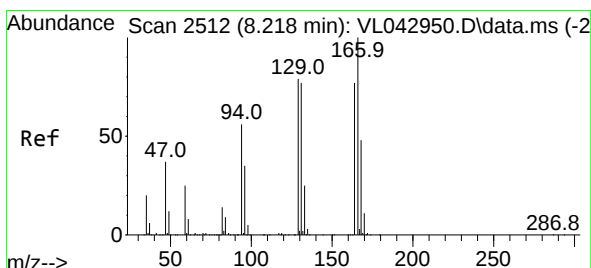
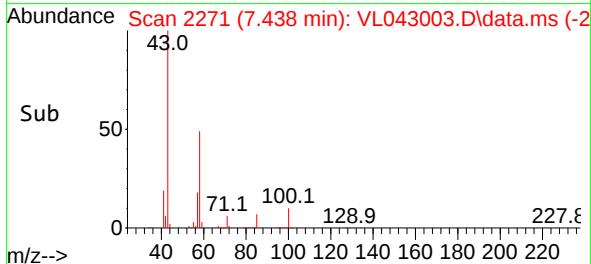
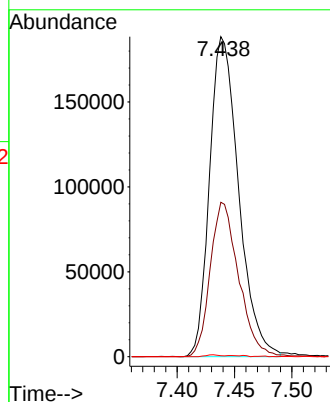
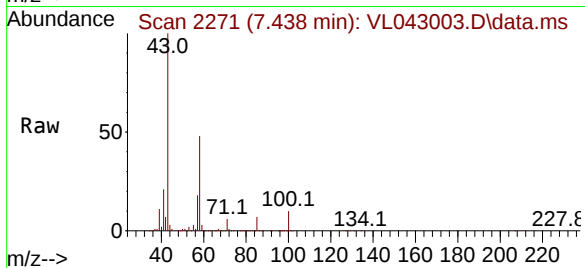




#51  
2-Hexanone  
Concen: 9.860 ppbv  
RT: 7.438 min Scan# 211  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

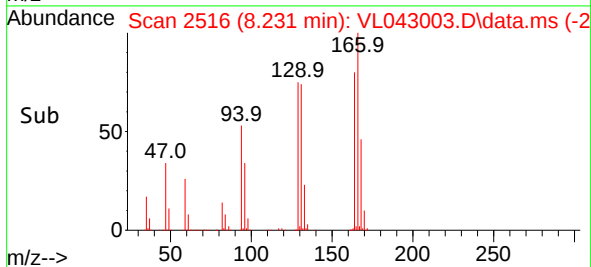
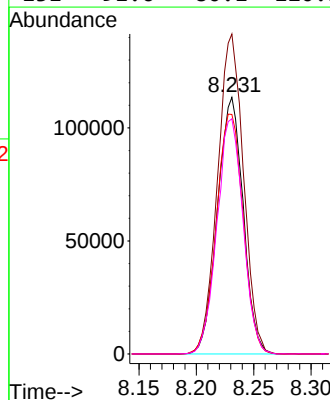
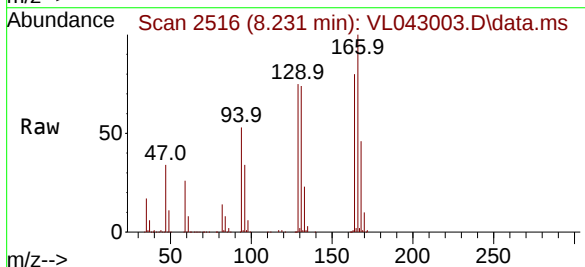
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

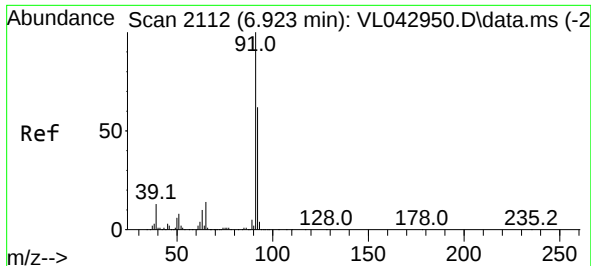
Tgt Ion: 43 Resp: 331885  
Ion Ratio Lower Upper  
43 100  
58 47.3 39.7 59.5  
98 0.6 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 10.866 ppbv  
RT: 8.231 min Scan# 2516  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion:164 Resp: 177496  
Ion Ratio Lower Upper  
164 100  
166 124.7 103.5 155.3  
129 93.3 82.2 123.4  
131 91.6 80.1 120.1

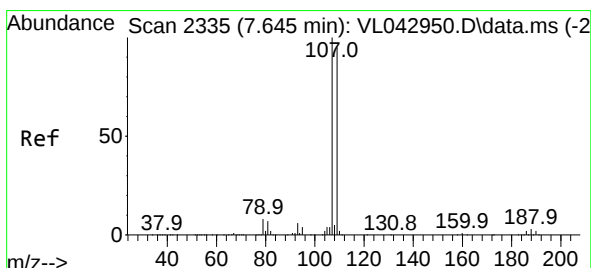
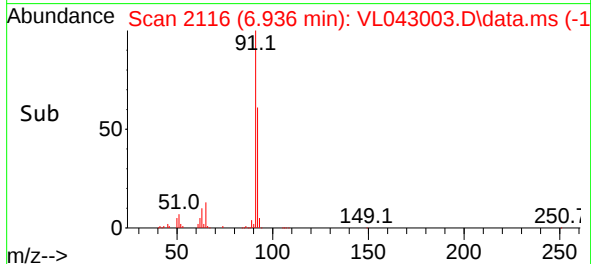
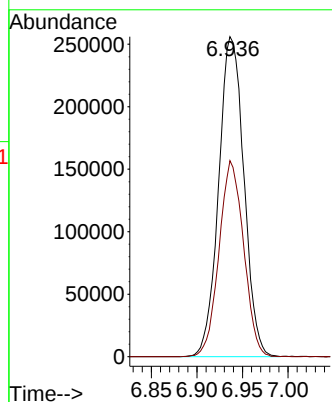
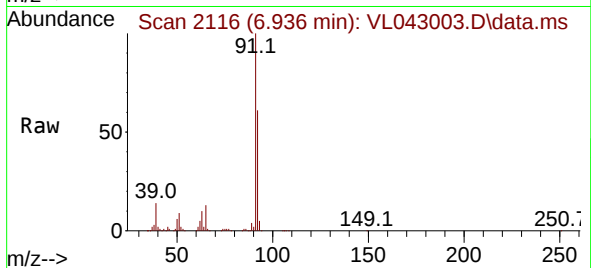




#53  
Toluene  
Concen: 9.872 ppbv  
RT: 6.936 min Scan# 2116  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

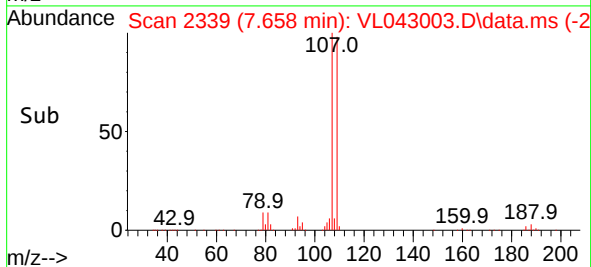
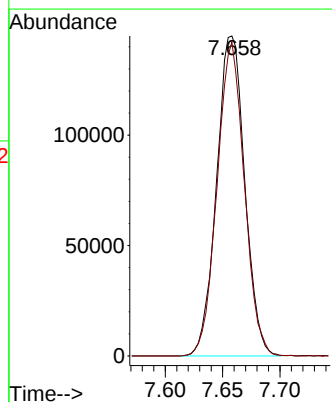
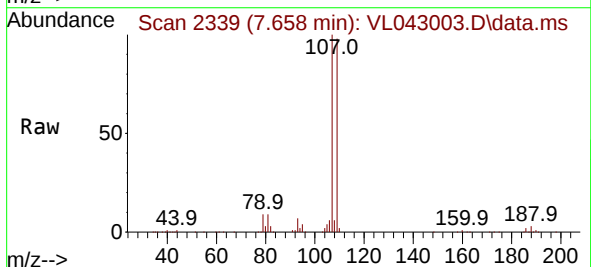
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

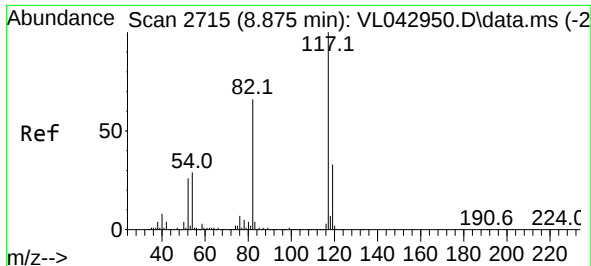
Tgt Ion: 91 Resp: 493280  
Ion Ratio Lower Upper  
91 100  
92 59.7 48.2 72.2



#54  
1,2-Dibromoethane  
Concen: 10.810 ppbv  
RT: 7.658 min Scan# 2339  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 107 Resp: 247778  
Ion Ratio Lower Upper  
107 100  
109 98.0 75.8 113.8

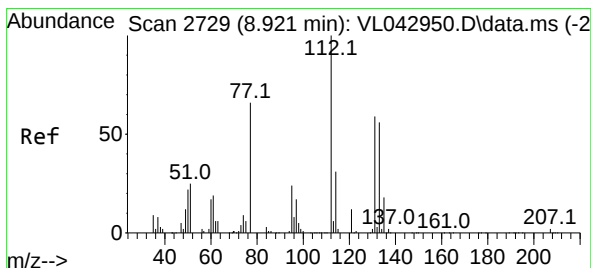
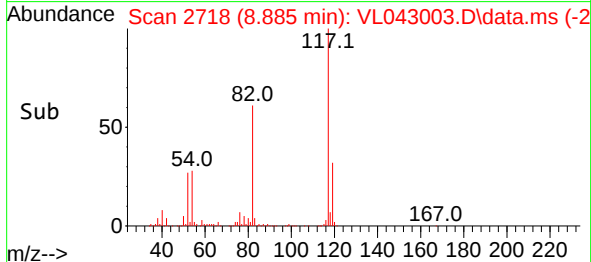
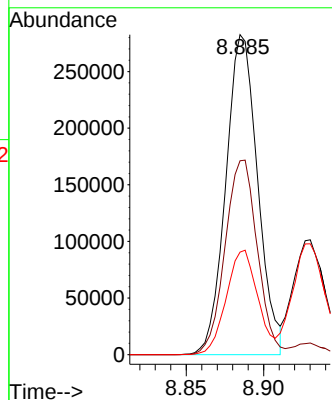
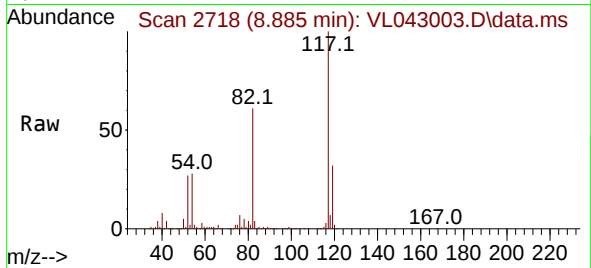




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

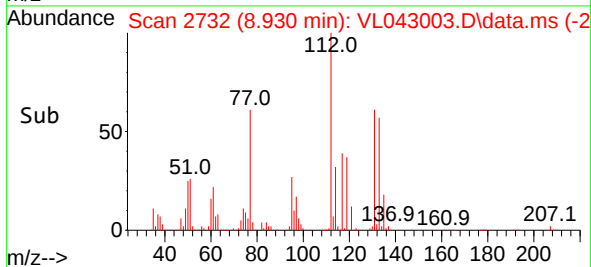
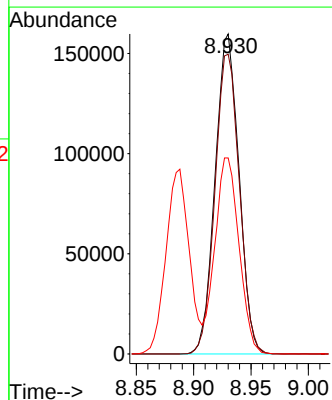
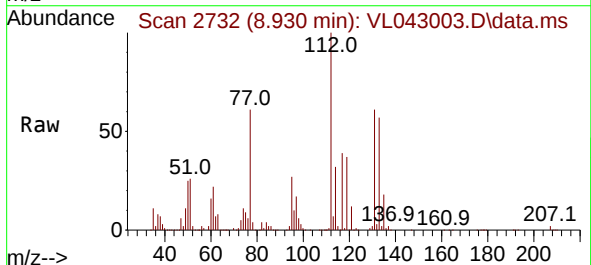
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

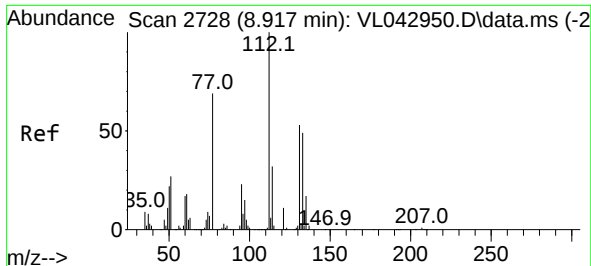
Tgt Ion:117 Resp: 405131  
Ion Ratio Lower Upper  
117 100  
82 64.9 52.8 79.2  
119 33.3 26.5 39.7



#56  
1,1,1,2-Tetrachloroethane  
Concen: 11.911 ppbv  
RT: 8.930 min Scan# 2732  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion:131 Resp: 230977  
Ion Ratio Lower Upper  
131 100  
133 95.8 76.6 114.8  
119 63.2 49.9 74.9

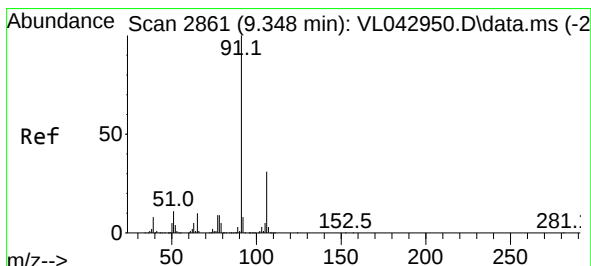
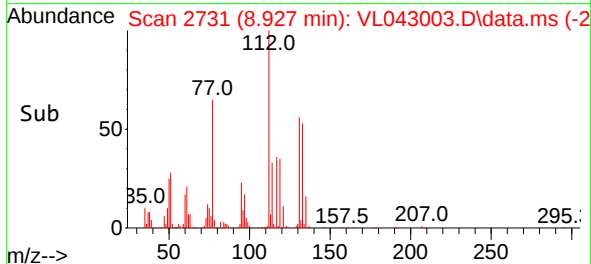
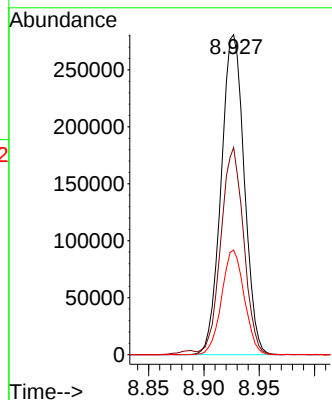
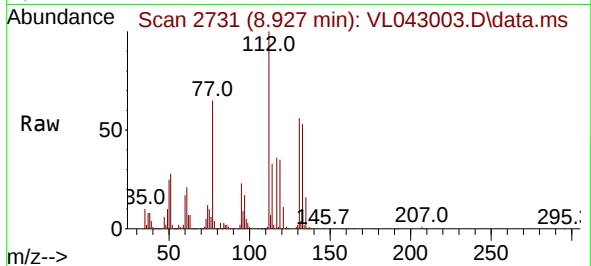




#57  
Chlorobenzene  
Concen: 11.047 ppbv  
RT: 8.927 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

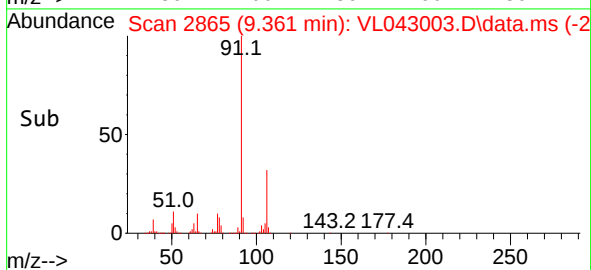
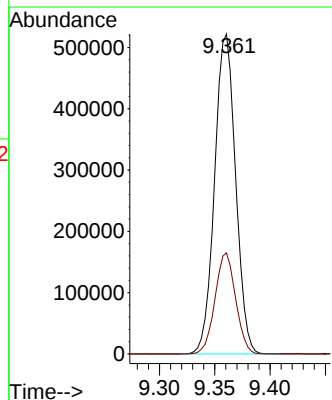
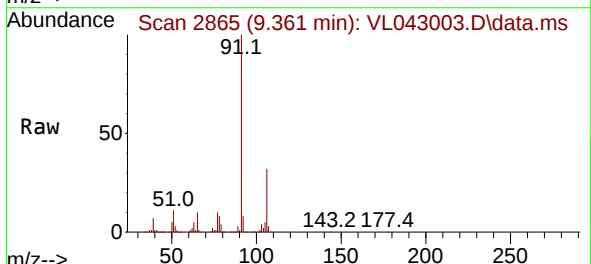
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

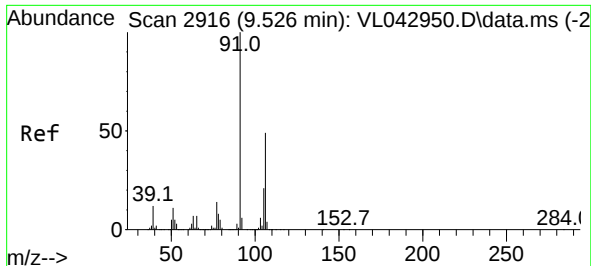
Tgt Ion:112 Resp: 408572  
Ion Ratio Lower Upper  
112 100  
77 64.7 55.7 83.5  
114 32.7 28.6 35.0



#58  
Ethyl Benzene  
Concen: 10.354 ppbv  
RT: 9.361 min Scan# 2865  
Delta R.T. 0.013 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 91 Resp: 688808  
Ion Ratio Lower Upper  
91 100  
106 31.6 24.6 37.0

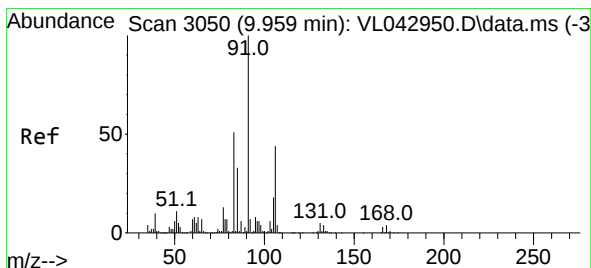
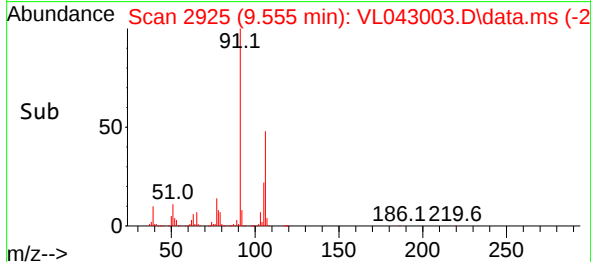
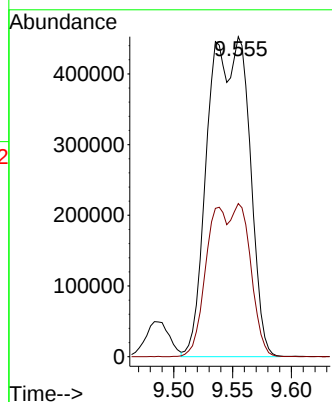
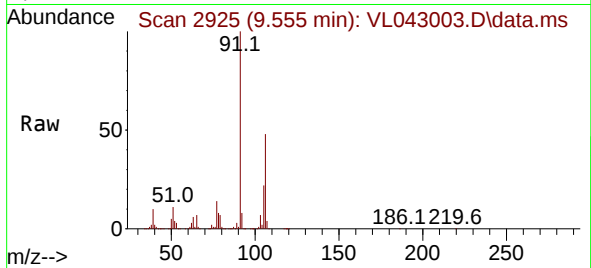




#59  
m/p-Xylene  
Concen: 21.176 ppbv m  
RT: 9.555 min Scan# 2916  
Delta R.T. 0.029 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

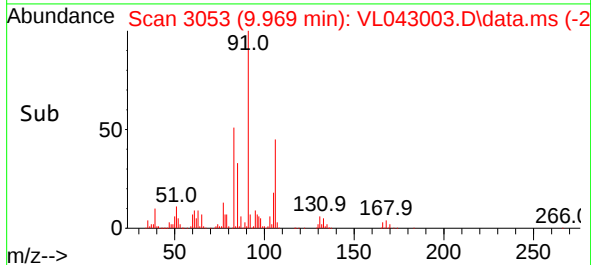
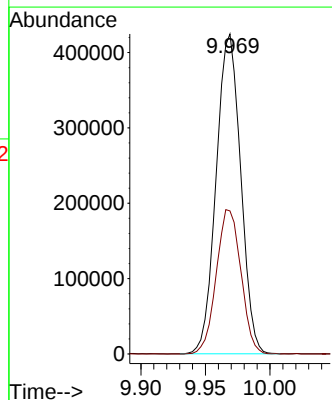
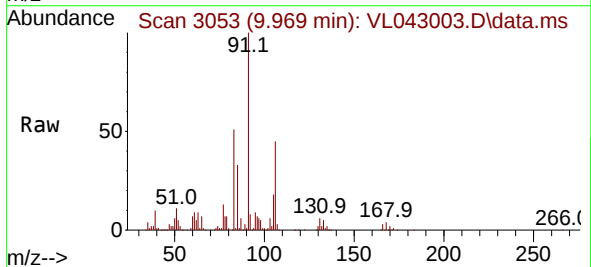
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

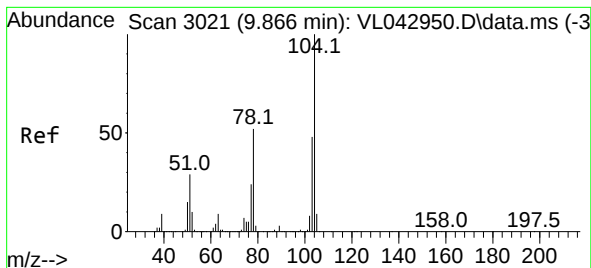
Tgt Ion: 91 Resp: 1110641  
Ion Ratio Lower Upper  
91 100  
106 0.0 0.0 0.0



#60  
o-Xylene  
Concen: 10.690 ppbv  
RT: 9.969 min Scan# 3053  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 91 Resp: 560366  
Ion Ratio Lower Upper  
91 100  
106 45.4 22.4 67.0





#61

Styrene

Concen: 9.993 ppbv

RT: 9.875 min Scan# 3021

Delta R.T. 0.010 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

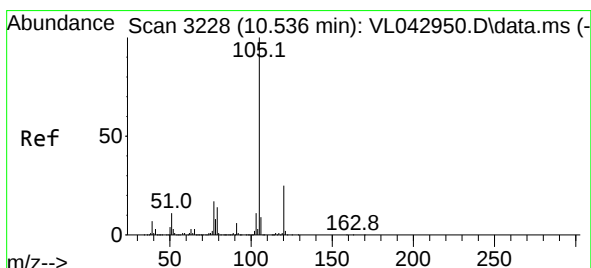
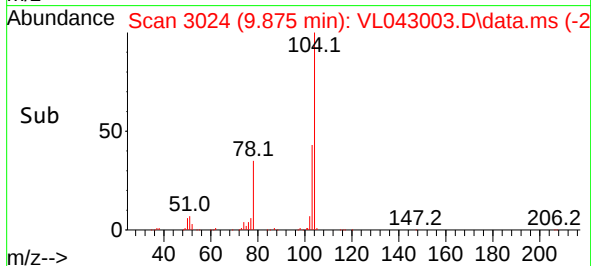
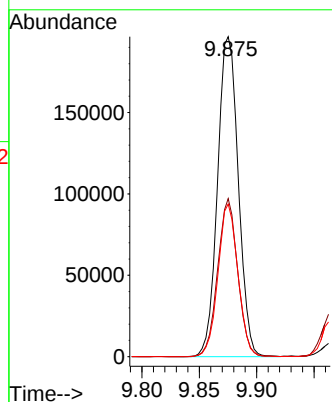
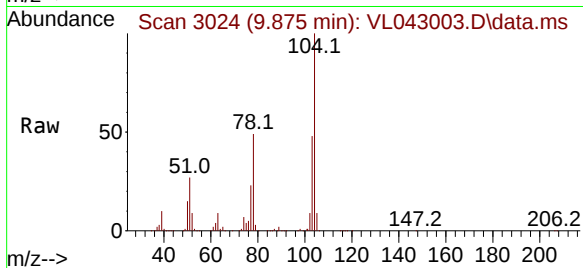
Tgt Ion:104 Resp: 247781

Ion Ratio Lower Upper

104 100

78 47.5 39.9 59.9

103 45.8 36.9 55.3



#62

Isopropylbenzene

Concen: 10.623 ppbv

RT: 10.542 min Scan# 3230

Delta R.T. 0.006 min

Lab File: VL043003.D

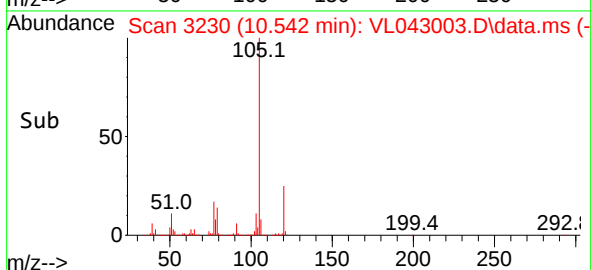
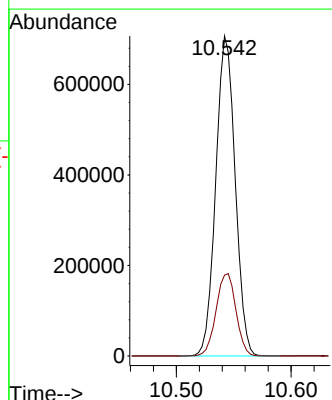
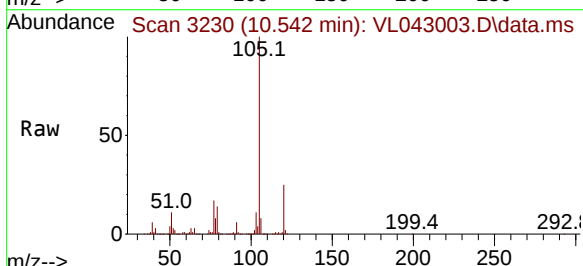
Acq: 24 Sep 2025 10:47

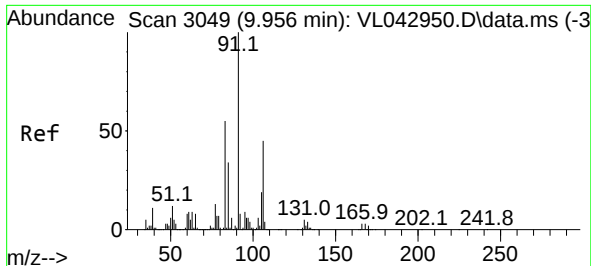
Tgt Ion:105 Resp: 830044

Ion Ratio Lower Upper

105 100

120 26.3 20.6 30.8





#63

1,1,2,2-Tetrachloroethane

Concen: 10.604 ppbv

RT: 9.966 min Scan# 3049

Delta R.T. 0.010 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_1

ClientSampleId :

VL0924ABS01

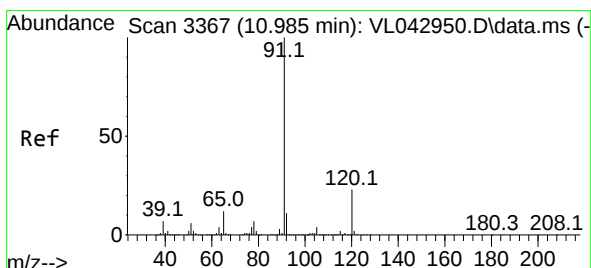
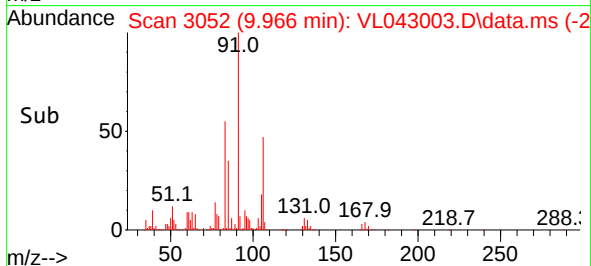
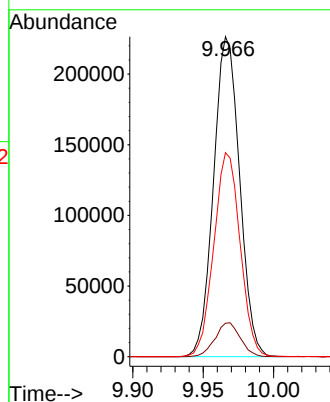
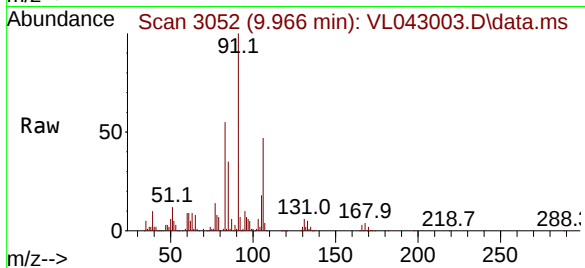
Tgt Ion: 83 Resp: 292156

Ion Ratio Lower Upper

83 100

131 10.3 4.8 14.4

85 64.3 32.2 96.6



#64

n-propylbenzene

Concen: 11.015 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. 0.006 min

Lab File: VL043003.D

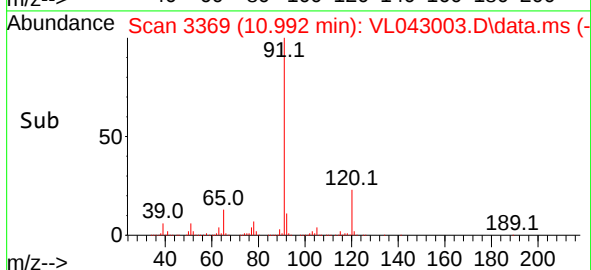
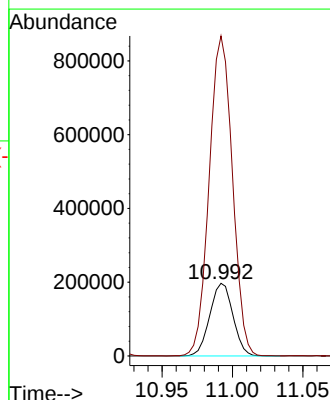
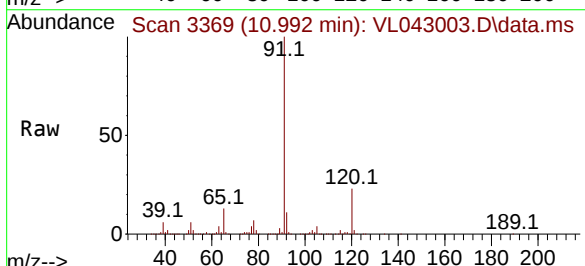
Acq: 24 Sep 2025 10:47

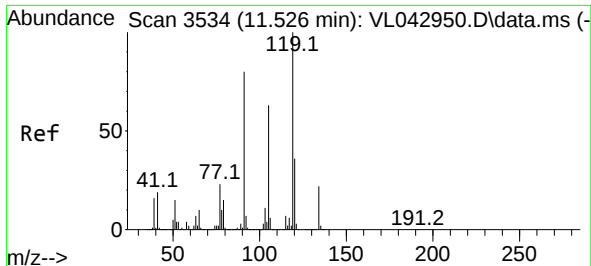
Tgt Ion: 120 Resp: 224888

Ion Ratio Lower Upper

120 100

91 442.5 364.9 547.3

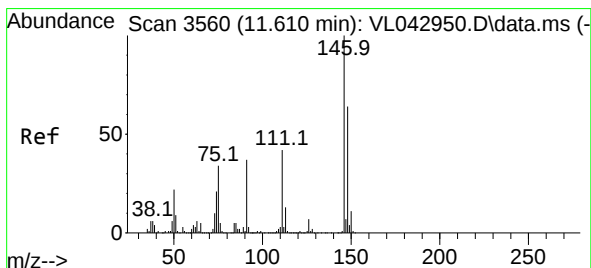
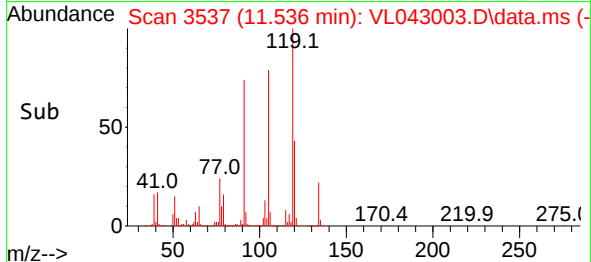
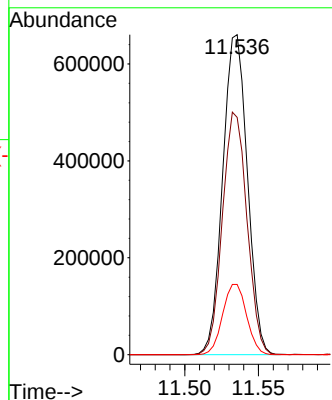
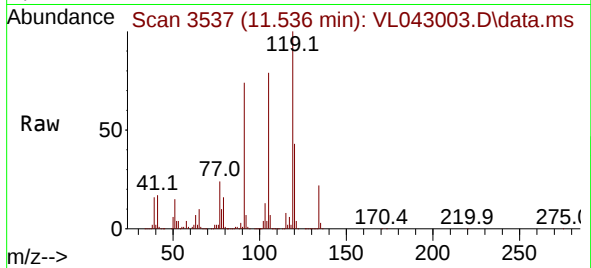




#65  
tert-Butylbenzene  
Concen: 11.053 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

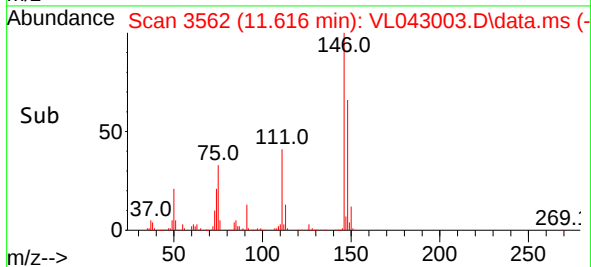
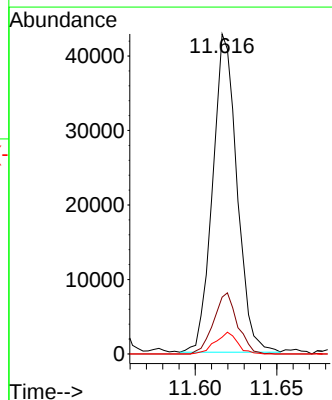
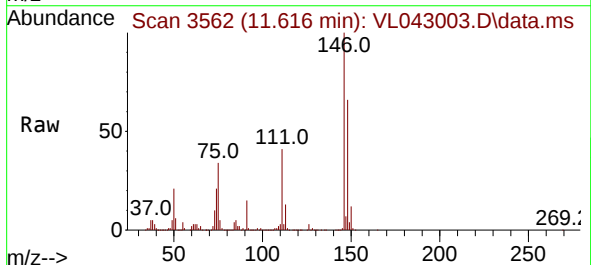
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

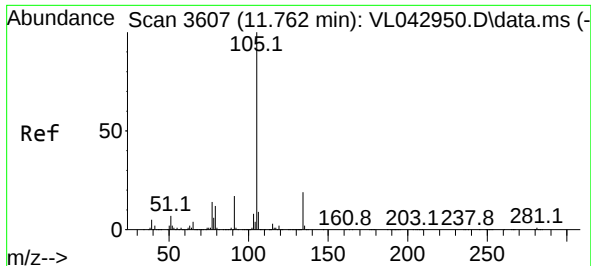
Tgt Ion:119 Resp: 768130  
Ion Ratio Lower Upper  
119 100  
91 75.6 63.1 94.7  
134 21.4 17.0 25.6



#66  
Benzyl Chloride  
Concen: 6.093 ppbv  
RT: 11.616 min Scan# 3562  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 91 Resp: 44429  
Ion Ratio Lower Upper  
91 100  
126 18.7 14.6 21.8  
128 6.2 5.0 7.4

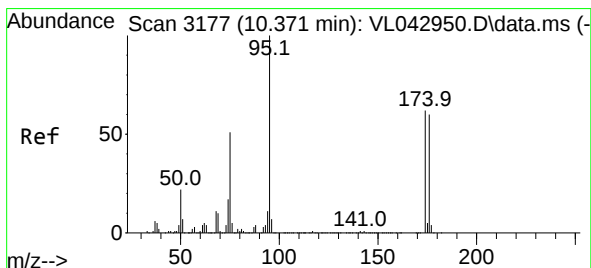
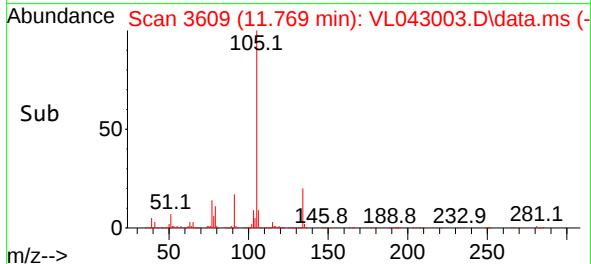
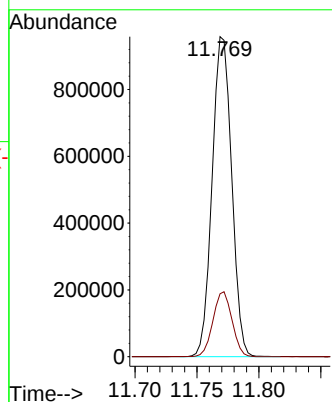
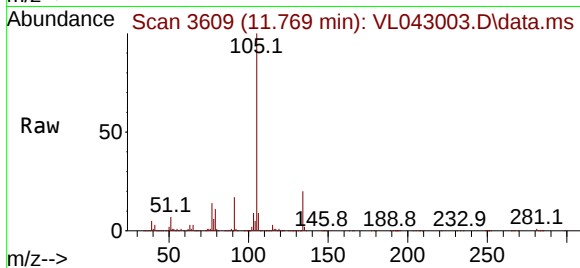




#67  
 sec-Butylbenzene  
 Concen: 10.871 ppbv  
 RT: 11.769 min Scan# 3180  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

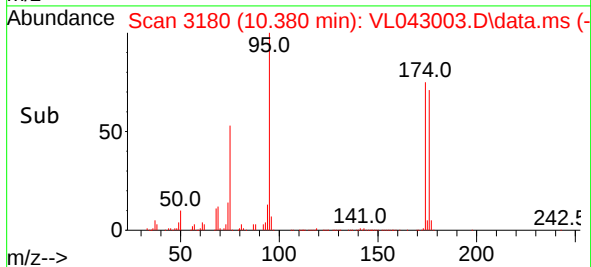
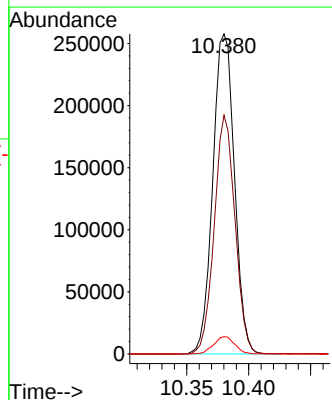
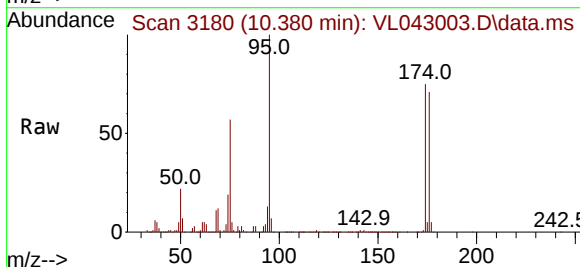
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

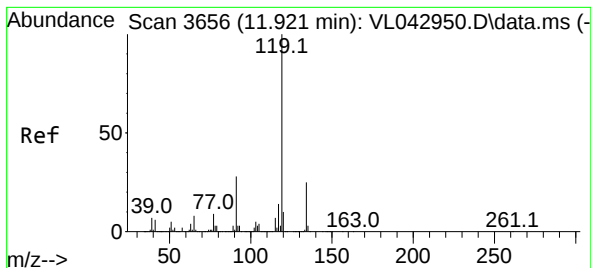
Tgt Ion:105 Resp: 1052693  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 15.7 23.5



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.389 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. 0.010 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 95 Resp: 314184  
 Ion Ratio Lower Upper  
 95 100  
 174 71.5 51.4 77.2  
 175 5.3 4.0 6.0

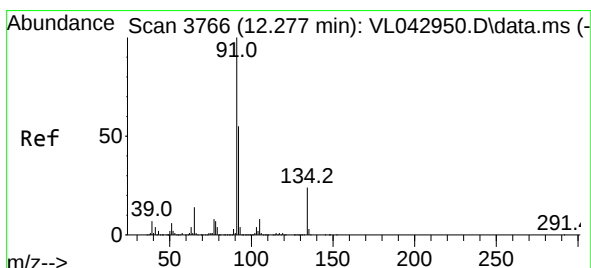
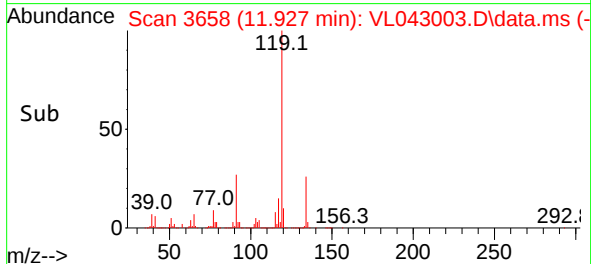
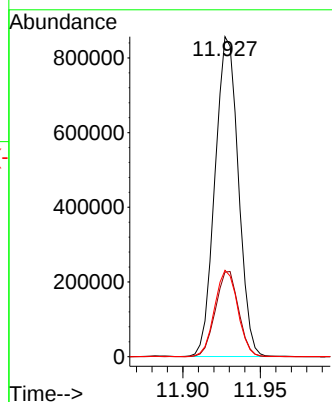
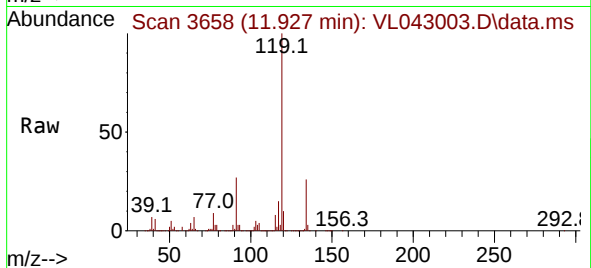




#69  
 p-Isopropyltoluene  
 Concen: 10.978 ppbv  
 RT: 11.927 min Scan# 3658  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

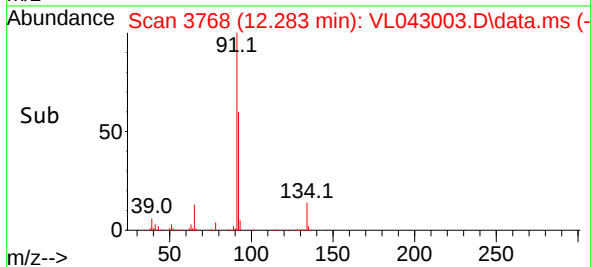
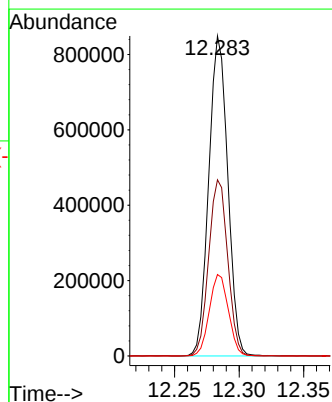
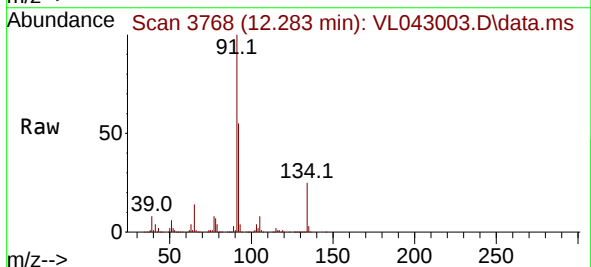
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01

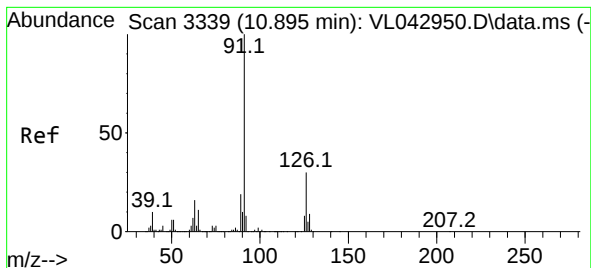
Tgt Ion:119 Resp: 898046  
 Ion Ratio Lower Upper  
 119 100  
 134 26.5 21.0 31.4  
 91 26.9 22.3 33.5



#70  
 n-Butylbenzene  
 Concen: 10.867 ppbv  
 RT: 12.283 min Scan# 3768  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Tgt Ion: 91 Resp: 867870  
 Ion Ratio Lower Upper  
 91 100  
 92 55.3 44.0 66.0  
 134 25.6 19.4 29.2

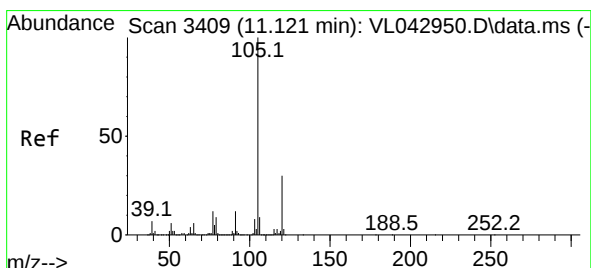
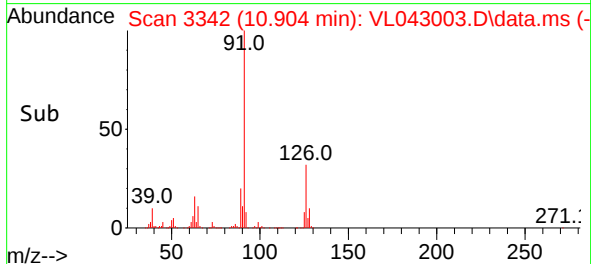
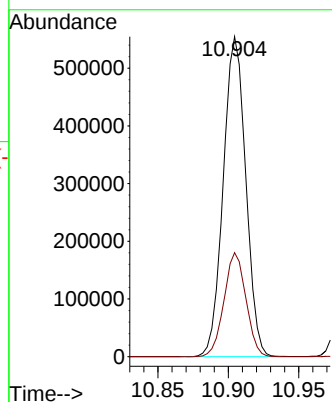
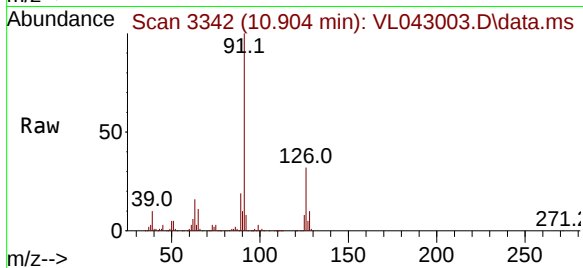




#71  
2-Chlorotoluene  
Concen: 10.464 ppbv  
RT: 10.904 min Scan# 3111  
Delta R.T. 0.010 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

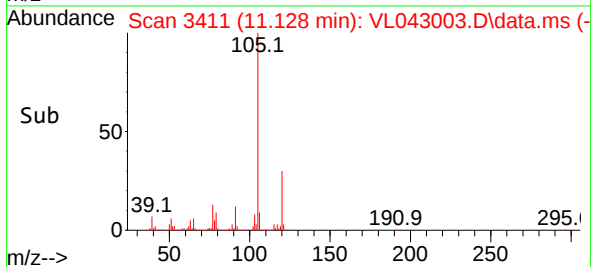
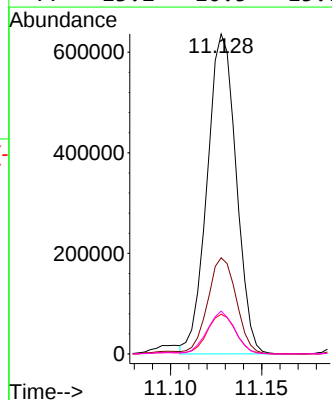
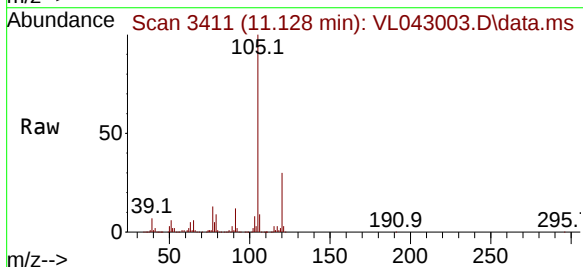
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

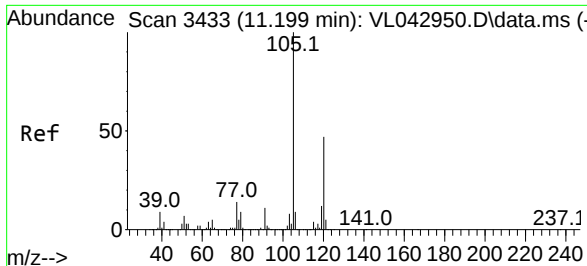
Tgt Ion: 91 Resp: 617343  
Ion Ratio Lower Upper  
91 100  
126 31.6 12.3 49.3



#72  
4-Ethyltoluene  
Concen: 10.744 ppbv  
RT: 11.128 min Scan# 3411  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion: 105 Resp: 705375  
Ion Ratio Lower Upper  
105 100  
120 30.5 24.2 36.2  
91 12.6 10.0 15.0  
77 13.2 10.5 15.7

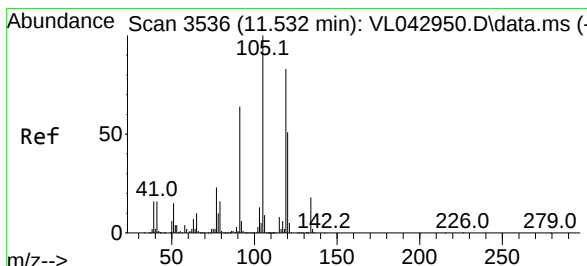
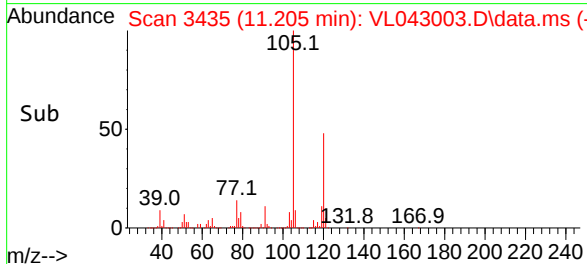
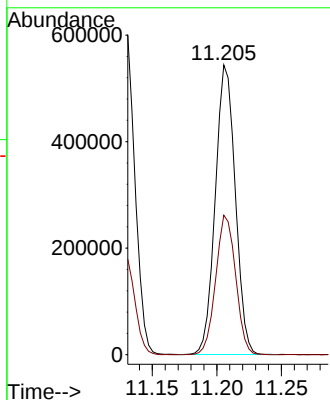
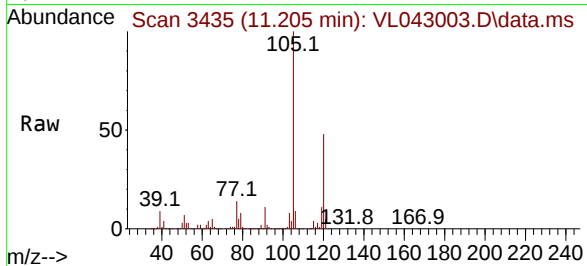




#73  
1,3,5-Trimethylbenzene  
Concen: 10.979 ppbv  
RT: 11.205 min Scan# 3433  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

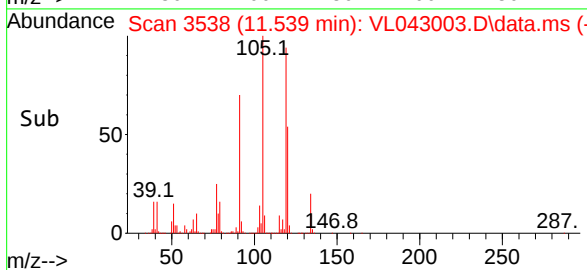
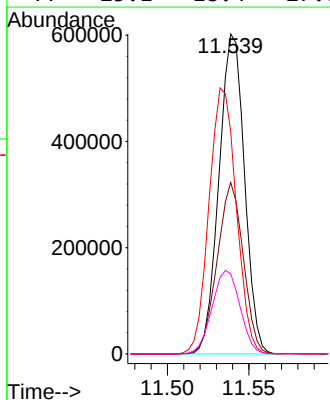
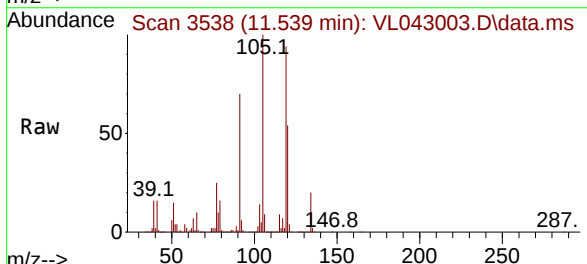
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

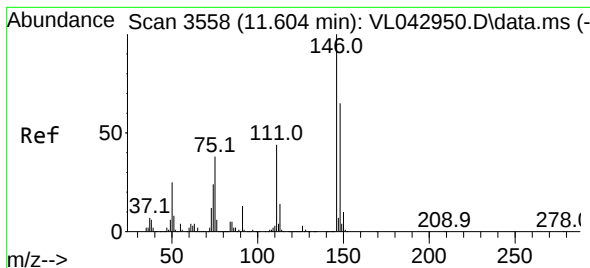
Tgt Ion:105 Resp: 584573  
Ion Ratio Lower Upper  
105 100  
120 48.2 38.0 57.0



#74  
1,2,4-Trimethylbenzene  
Concen: 11.139 ppbv  
RT: 11.539 min Scan# 3538  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion:105 Resp: 654965  
Ion Ratio Lower Upper  
105 100  
120 53.6 40.9 61.3  
91 69.6 51.2 76.8  
77 25.1 18.4 27.6





#75

1,3-Dichlorobenzene

Concen: 11.863 ppbv

RT: 11.610 min Scan# 3558

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_1

ClientSampleId :

VL0924ABS01

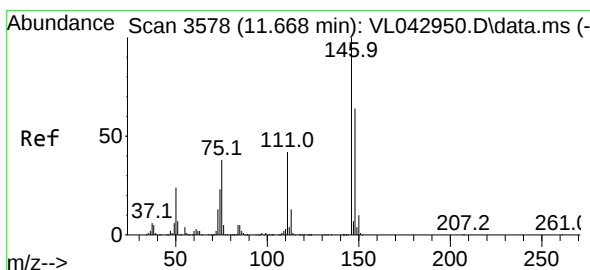
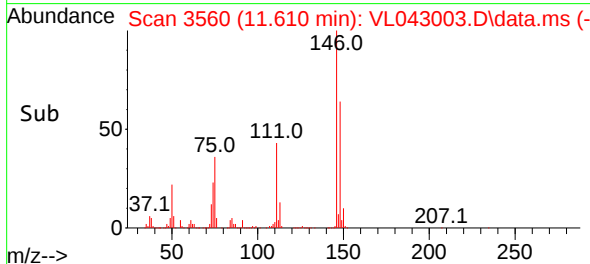
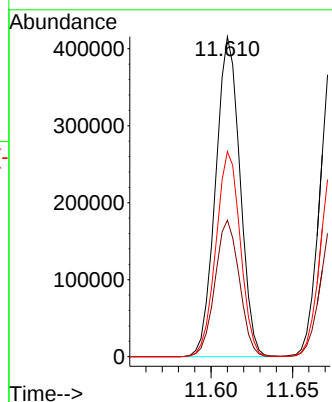
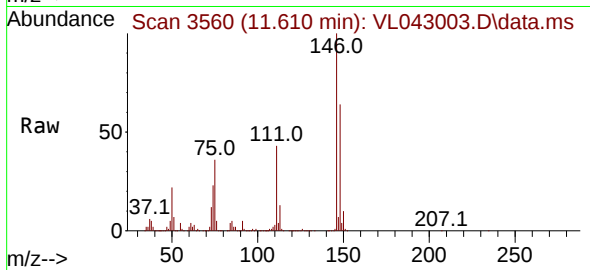
Tgt Ion:146 Resp: 432617

Ion Ratio Lower Upper

146 100

111 42.6 22.3 66.9

148 64.0 31.9 95.5



#76

1,4-Dichlorobenzene

Concen: 11.746 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

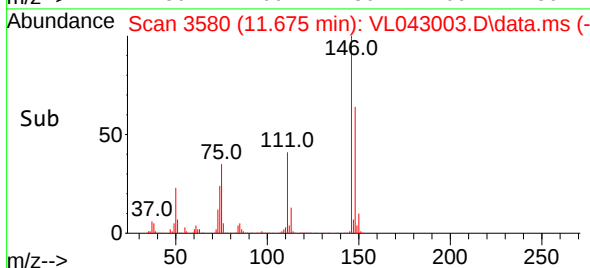
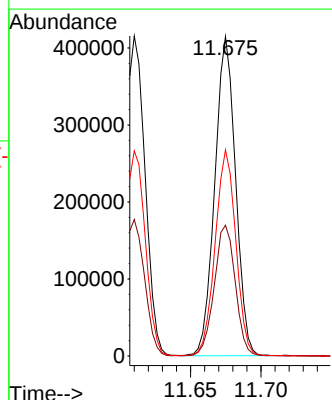
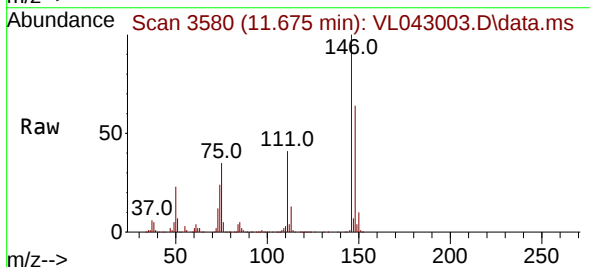
Tgt Ion:146 Resp: 425397

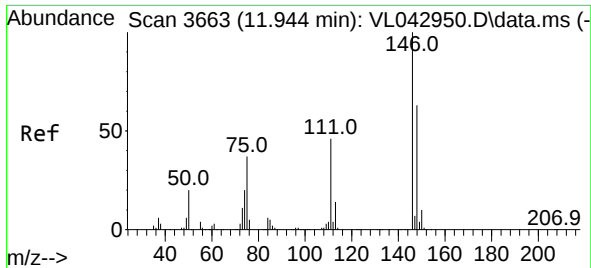
Ion Ratio Lower Upper

146 100

111 41.7 21.5 64.5

148 64.4 31.9 95.5

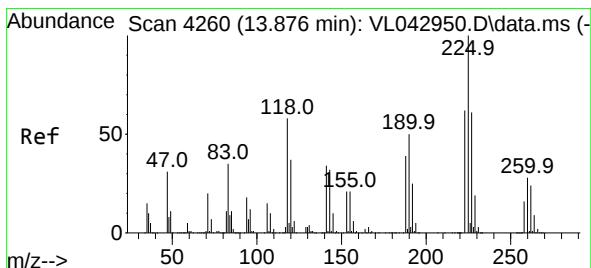
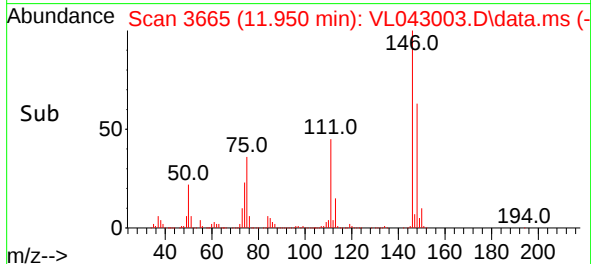
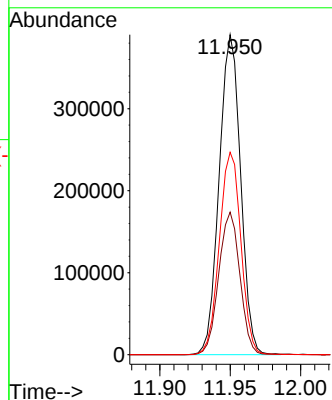
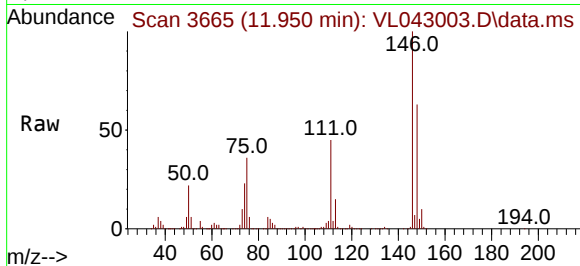




#77  
1,2-Dichlorobenzene  
Concen: 11.935 ppbv  
RT: 11.950 min Scan# 3665  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

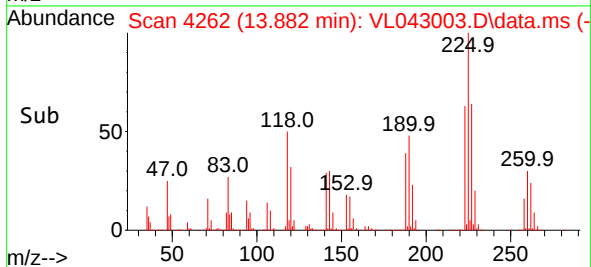
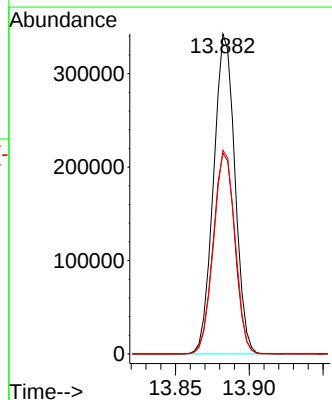
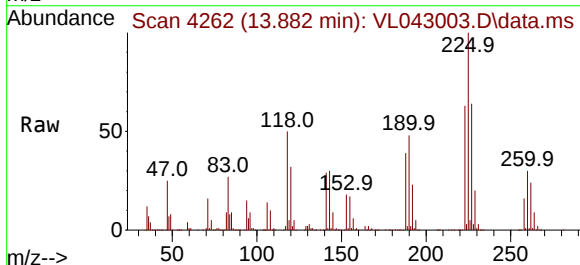
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0924ABS01

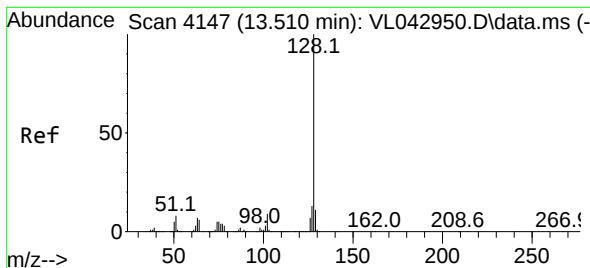
Tgt Ion:146 Resp: 414086  
Ion Ratio Lower Upper  
146 100  
111 44.1 23.1 69.3  
148 63.7 32.0 96.0



#78  
Hexachloro-1,3-Butadiene  
Concen: 12.694 ppbv  
RT: 13.882 min Scan# 4262  
Delta R.T. 0.006 min  
Lab File: VL043003.D  
Acq: 24 Sep 2025 10:47

Tgt Ion:225 Resp: 344475  
Ion Ratio Lower Upper  
225 100  
223 64.1 50.1 75.1  
227 64.2 50.4 75.6





#79

Naphthalene

Concen: 11.684 ppbv

RT: 13.516 min Scan# 4147

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

Instrument :

MSVOA\_L

ClientSampleId :

VL0924ABS01

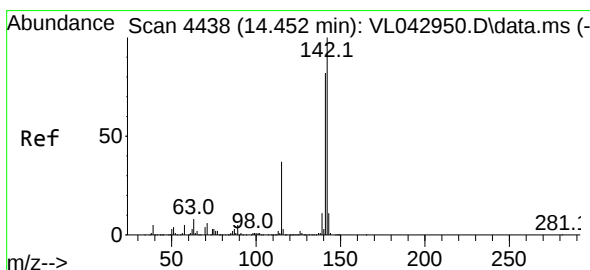
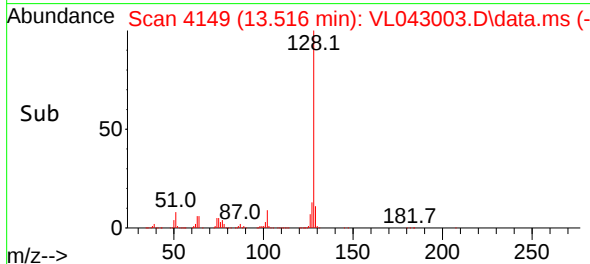
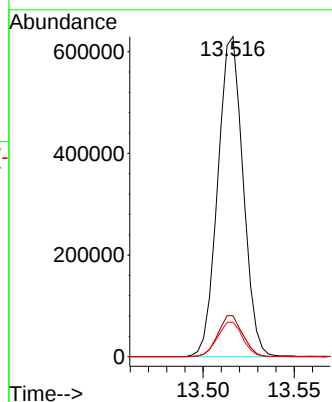
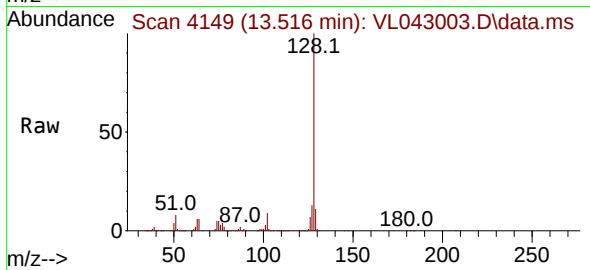
Tgt Ion:128 Resp: 607495

Ion Ratio Lower Upper

128 100

127 12.8 10.6 15.8

129 10.8 9.0 13.6



#80

Naphthalene,2-methyl-

Concen: 9.539 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.006 min

Lab File: VL043003.D

Acq: 24 Sep 2025 10:47

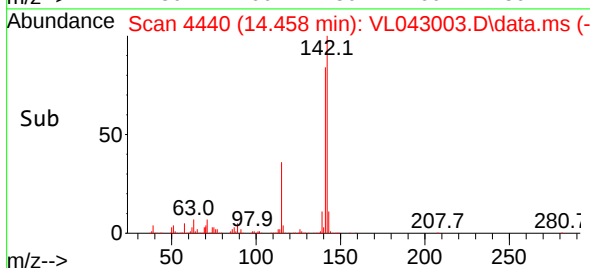
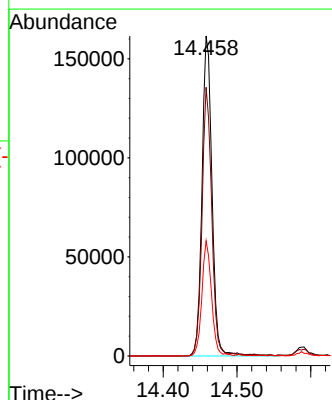
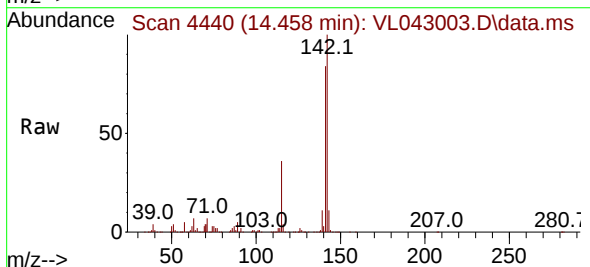
Tgt Ion:142 Resp: 153210

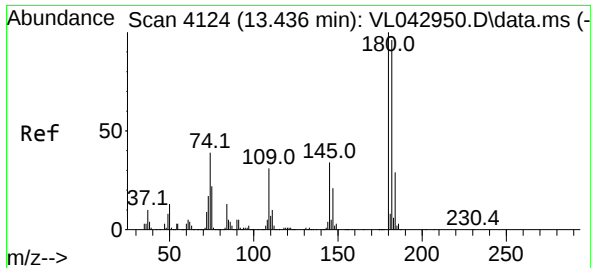
Ion Ratio Lower Upper

142 100

141 82.3 65.1 97.7

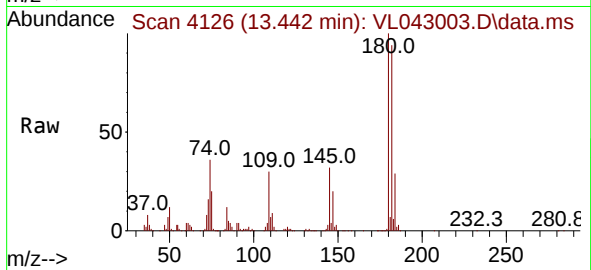
115 35.2 28.9 43.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 12.734 ppbv  
 RT: 13.442 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VL043003.D  
 Acq: 24 Sep 2025 10:47

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABS01



Tgt Ion:180 Resp: 354007  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.3  | 75.7  | 113.5 |
| 184 | 30.0  | 23.9  | 35.9  |

