

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042864.D  
 Acq On : 13 Aug 2025 22:39  
 Operator : SY/MD  
 Sample : VSTDC0010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDC0010EC

Quant Time: Aug 14 02:23:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.797 | 49   | 124751   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.975 | 114  | 361886   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.898 | 117  | 316740   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.390 | 95    | 253011   | 10.651   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 106.500% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 166894 | 9.128  | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 190356 | 9.419  | ppbv   | 99     |
| 4) Chloromethane              | 1.538 | 50  | 64415  | 8.731  | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 61149  | 8.415  | ppbv   | 94     |
| 6) Bromomethane               | 1.674 | 94  | 24143  | 8.310  | ppbv   | 96     |
| 7) Chloroethane               | 1.709 | 64  | 24275  | 8.555  | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 136775 | 9.142  | ppbv   | 96     |
| 9) Propene                    | 1.486 | 41  | 25982  | 2.977  | ppbv   | 94     |
| 10) Heptane                   | 4.998 | 43  | 202828 | 8.677  | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.884 | 101 | 158026 | 8.760  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146 | 101 | 123853 | 8.614  | ppbv   | 98     |
| 13) Ethanol                   | 1.725 | 45  | 5850   | 7.331  | ppbv   | 88     |
| 14) Bromoethene               | 1.787 | 108 | 46101  | 8.857  | ppbv   | 99     |
| 15) Acetone                   | 1.842 | 43  | 122464 | 7.421  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 60158  | 8.041  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 149737 | 7.651  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 55998  | 8.859  | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 79487  | 8.064  | ppbv   | 96     |
| 20) Methylene Chloride        | 2.068 | 84  | 47741  | 6.906  | ppbv   | 91     |
| 21) Allyl Chloride            | 2.104 | 41  | 95867  | 8.223  | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 62853  | 8.595  | ppbv   | 93     |
| 23) Vinyl Acetate             | 2.470 | 43  | 202157 | 8.909  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 126829 | 8.684  | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.845 | 43  | 356744 | 8.932  | ppbv   | 99     |
| 26) Hexane                    | 2.836 | 57  | 167396 | 9.080  | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.156 | 76  | 151230 | 8.429  | ppbv # | 90     |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 80454  | 8.559  | ppbv   | 91     |
| 29) Chloroform                | 2.858 | 83  | 253674 | 9.638  | ppbv   | 99     |
| 30) Cyclohexane               | 3.871 | 84  | 142701 | 8.829  | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 2.729 | 61  | 167868 | 9.116  | ppbv   | 95     |
| 32) 1,1,1-Trichloroethane     | 3.379 | 97  | 259748 | 9.338  | ppbv   | 98     |
| 34) 2-Butanone                | 2.567 | 43  | 233937 | 9.574  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.777 | 117 | 250449 | 10.039 | ppbv   | 97     |
| 36) Benzene                   | 3.671 | 78  | 338836 | 9.778  | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.230 | 62  | 196711 | 10.865 | ppbv   | 99     |
| 38) Trichloroethene           | 4.564 | 130 | 148543 | 9.386  | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.328 | 63  | 124520 | 9.839  | ppbv   | 98     |
| 40) 1,4-Dioxane               | 4.603 | 88  | 52932  | 8.795  | ppbv # | 97     |
| 41) Tetrahydrofuran           | 3.065 | 42  | 129335 | 9.493  | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.506 | 83  | 276194 | 10.238 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.901 | 69  | 133193 | 9.330  | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 4.658 | 57  | 562365 | 9.561  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.438 | 75  | 151624 | 9.411  | ppbv   | 95     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042864.D  
 Acq On : 13 Aug 2025 22:39  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

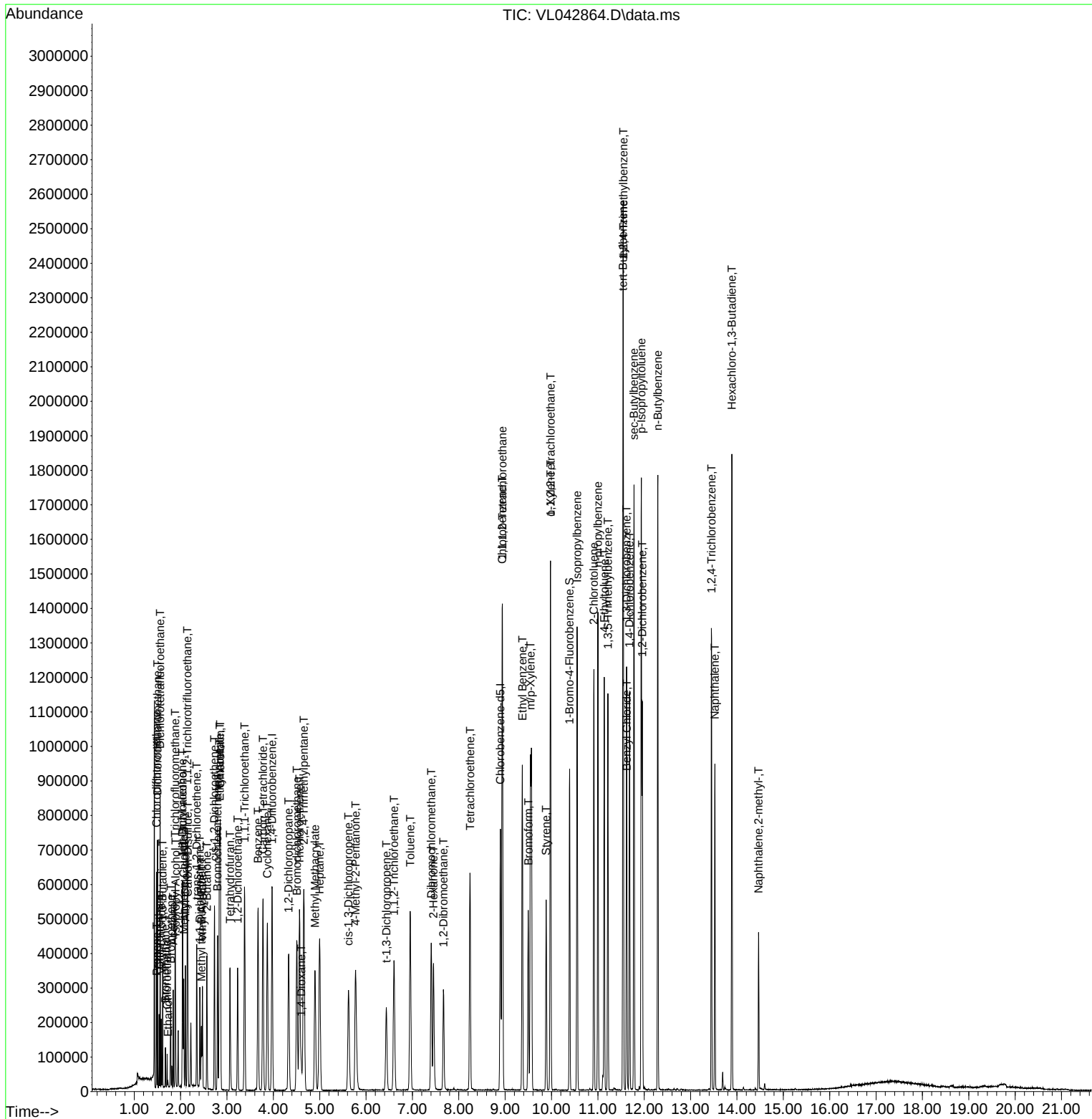
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

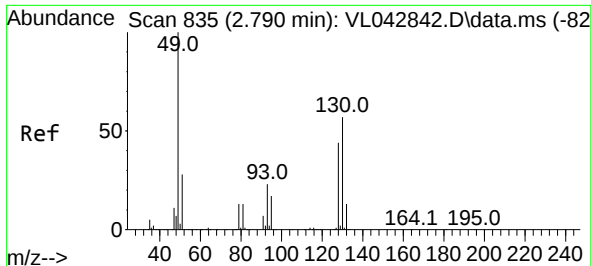
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.622  | 75   | 194664   | 9.697 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 6.603  | 97   | 133102   | 9.926 | ppbv   | 96       |
| 48) Dibromochloromethane      | 7.406  | 129  | 216018   | 9.955 | ppbv   | 99       |
| 49) Bromoform                 | 9.500  | 173  | 172366   | 9.632 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.774  | 43   | 318294   | 9.637 | ppbv   | 100      |
| 51) 2-Hexanone                | 7.454  | 43   | 253519   | 9.754 | ppbv # | 97       |
| 52) Tetrachloroethene         | 8.244  | 164  | 106738   | 8.514 | ppbv   | 90       |
| 53) Toluene                   | 6.953  | 91   | 390060   | 9.468 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.671  | 107  | 193235   | 9.860 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.940  | 131  | 158906   | 9.702 | ppbv   | 99       |
| 57) Chlorobenzene             | 8.937  | 112  | 290153   | 9.634 | ppbv   | 98       |
| 58) Ethyl Benzene             | 9.370  | 91   | 544607   | 9.743 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.548  | 91   | 426439   | 9.733 | ppbv # | 100      |
| 60) o-Xylene                  | 9.979  | 91   | 433977   | 9.847 | ppbv   | 99       |
| 61) Styrene                   | 9.885  | 104  | 197351   | 9.558 | ppbv   | 98       |
| 62) Isopropylbenzene          | 10.552 | 105  | 625694   | 9.715 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.979  | 83   | 234700   | 9.684 | ppbv   | 99       |
| 64) n-propylbenzene           | 11.002 | 120  | 157395   | 9.578 | ppbv   | 96       |
| 65) tert-Butylbenzene         | 11.542 | 119  | 533032   | 9.388 | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.626 | 91   | 52495    | 7.283 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.778 | 105  | 771711   | 9.683 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.937 | 119  | 633258   | 9.255 | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.293 | 91   | 661296   | 9.745 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.914 | 91   | 481312   | 9.624 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.137 | 105  | 524389   | 9.815 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.215 | 105  | 434476   | 9.563 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.549 | 105  | 482283   | 9.671 | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 11.620 | 146  | 270838   | 9.554 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 11.681 | 146  | 267746   | 9.339 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.960 | 146  | 257825   | 9.288 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 174005   | 7.648 | ppbv   | 98       |
| 79) Naphthalene               | 13.523 | 128  | 428714   | 9.482 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.468 | 142  | 128201   | 7.589 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.452 | 180  | 207593   | 9.136 | ppbv   | 98       |

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

Quant Time: Aug 14 02:23:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration

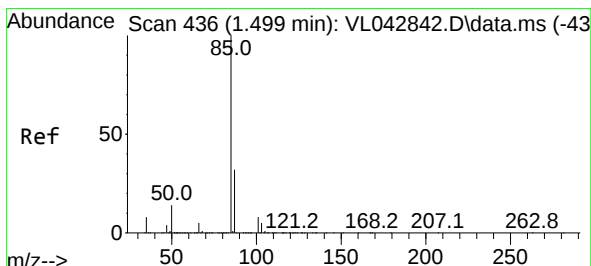
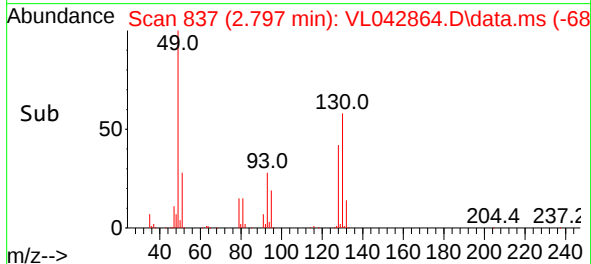
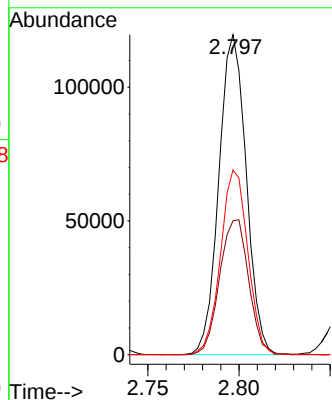
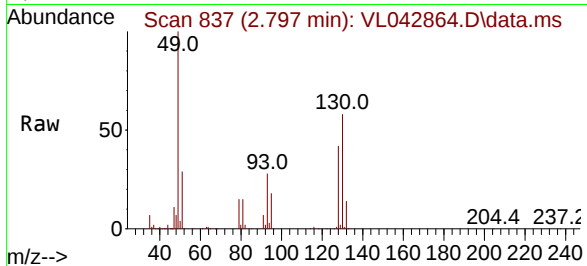




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.797 min Scan# 81  
 Delta R.T. 0.007 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

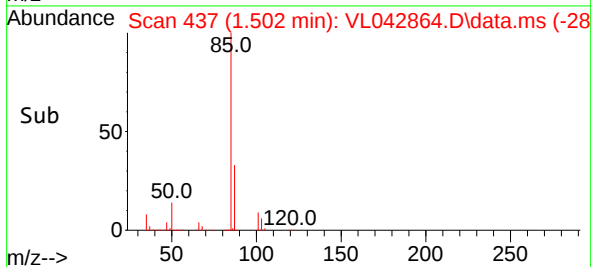
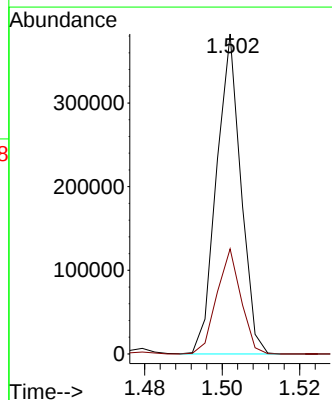
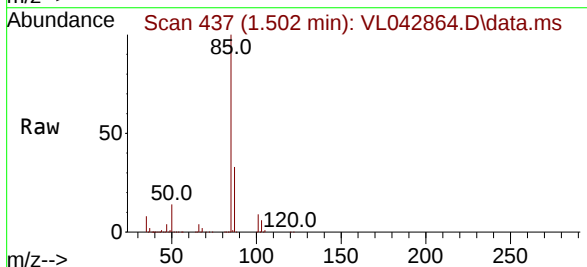
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

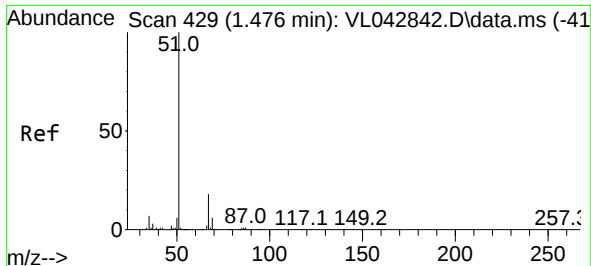
Tgt Ion: 49 Resp: 124751  
 Ion Ratio Lower Upper  
 49 100  
 128 44.8 23.7 71.1  
 130 57.6 30.6 91.6



#2  
 Dichlorodifluoromethane  
 Concen: 9.128 ppbv  
 RT: 1.502 min Scan# 437  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 85 Resp: 166894  
 Ion Ratio Lower Upper  
 85 100  
 87 32.8 25.3 37.9

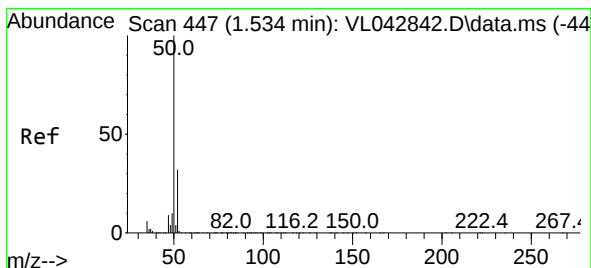
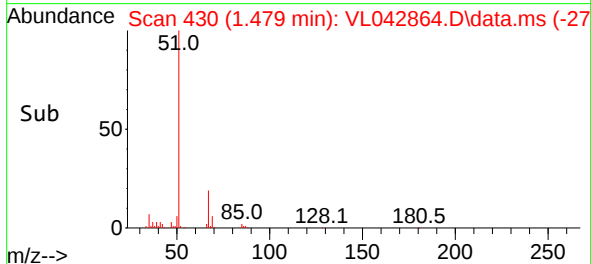
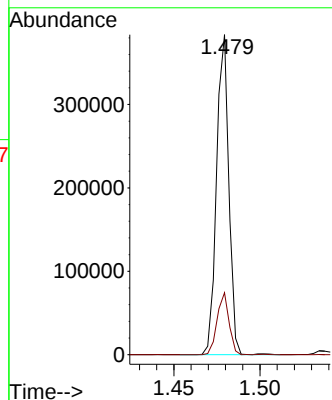
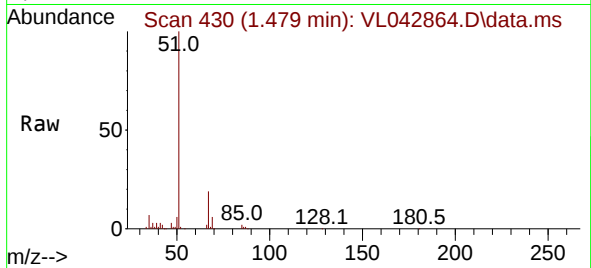




#3  
Chlorodifluoromethane  
Concen: 9.419 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

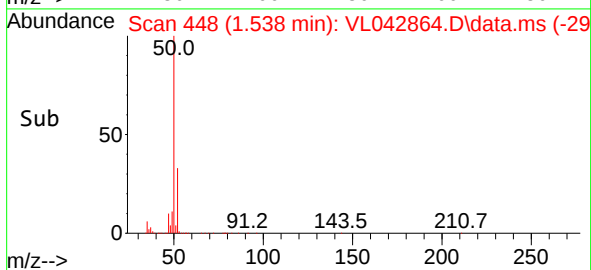
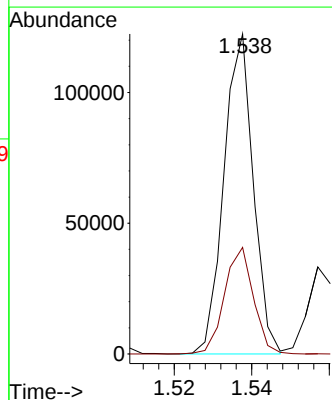
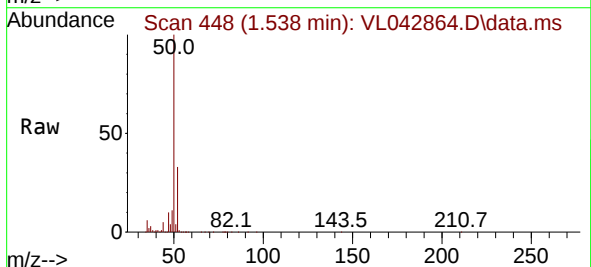
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

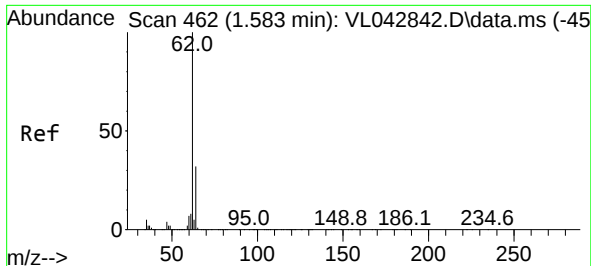
Tgt Ion: 51 Resp: 190356  
Ion Ratio Lower Upper  
51 100  
67 18.8 14.9 22.3



#4  
Chloromethane  
Concen: 8.731 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 50 Resp: 64415  
Ion Ratio Lower Upper  
50 100  
52 33.2 25.9 38.9

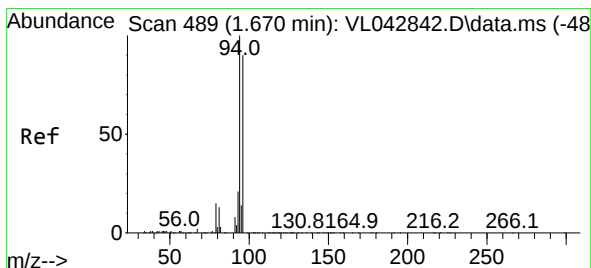
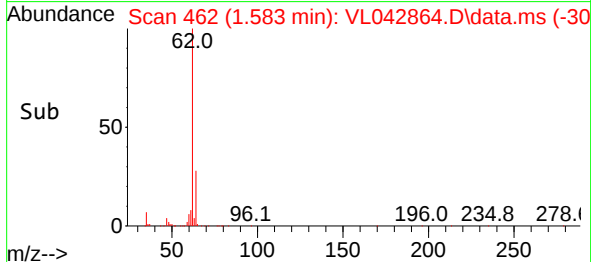
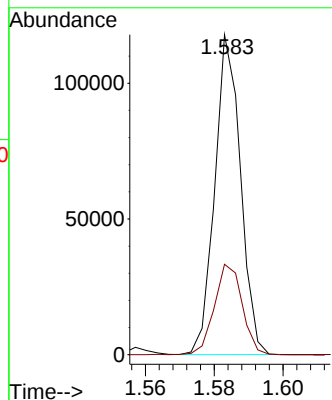
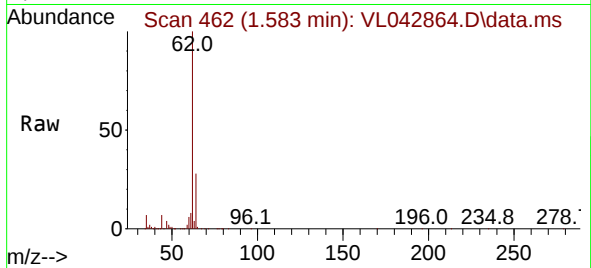




#5  
 Vinyl Chloride  
 Concen: 8.415 ppbv  
 RT: 1.583 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

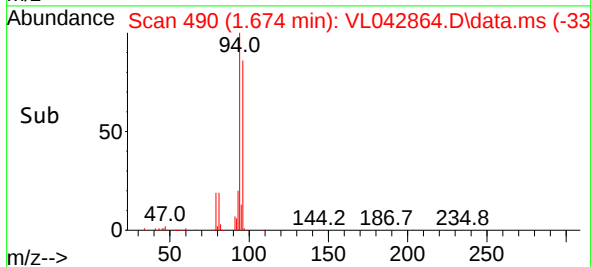
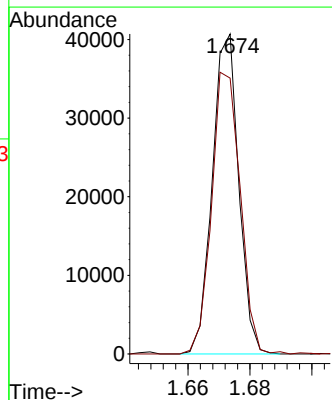
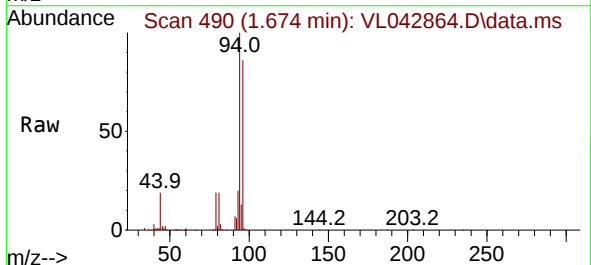
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

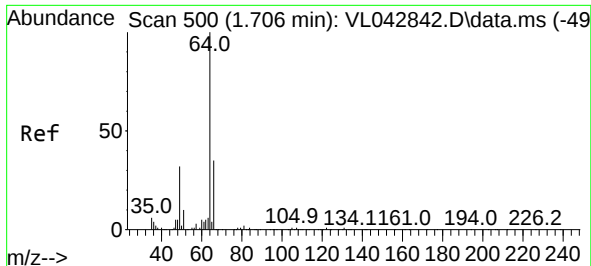
Tgt Ion: 62 Resp: 61149  
 Ion Ratio Lower Upper  
 62 100  
 64 28.3 25.4 38.2



#6  
 Bromomethane  
 Concen: 8.310 ppbv  
 RT: 1.674 min Scan# 490  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 94 Resp: 24143  
 Ion Ratio Lower Upper  
 94 100  
 96 86.2 72.1 108.1

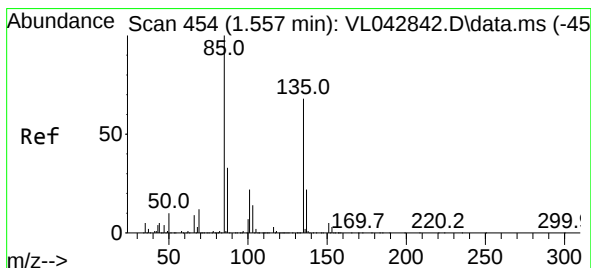
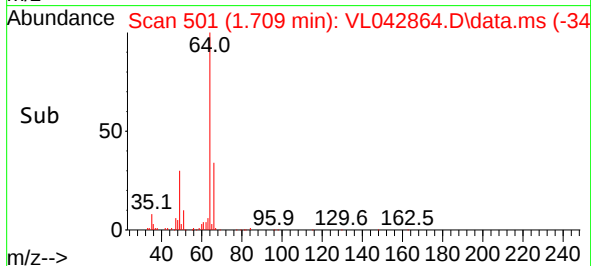
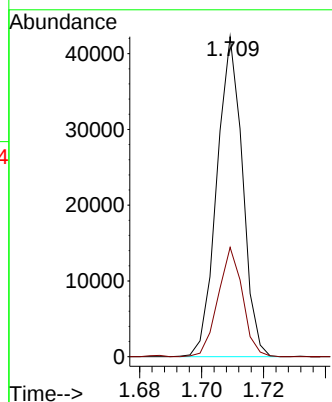
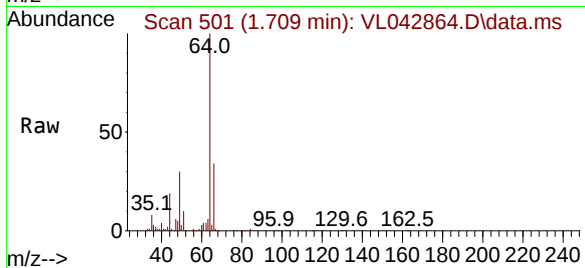




#7  
Chloroethane  
Concen: 8.555 ppbv  
RT: 1.709 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

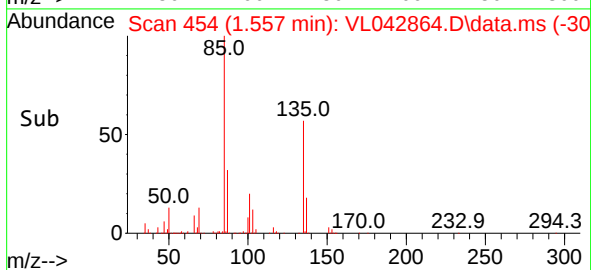
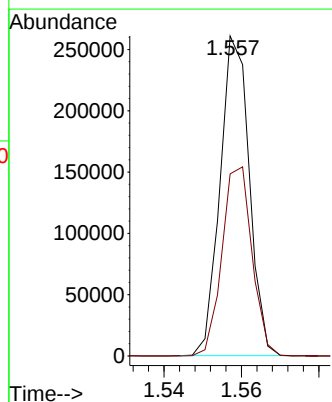
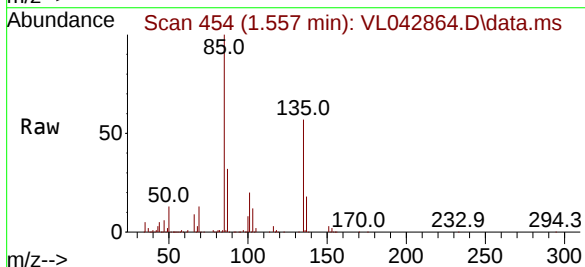
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

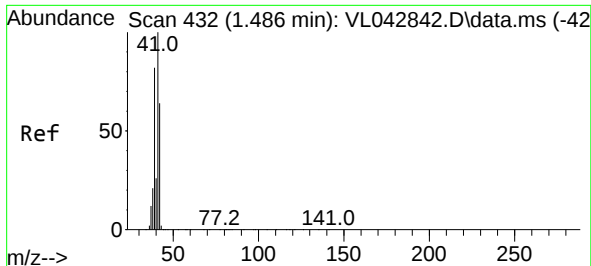
Tgt Ion: 64 Resp: 24275  
Ion Ratio Lower Upper  
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66 34.2 28.6 42.8



#8  
Dichlorotetrafluoroethane  
Concen: 9.142 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 85 Resp: 136775  
Ion Ratio Lower Upper  
85 100  
135 60.9 51.2 76.8





#9

Propene

Concen: 2.977 ppbv

RT: 1.486 min Scan# 41

Delta R.T. -0.000 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

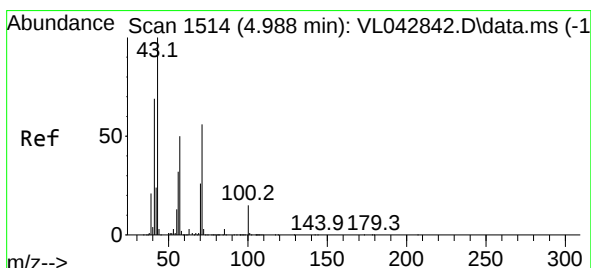
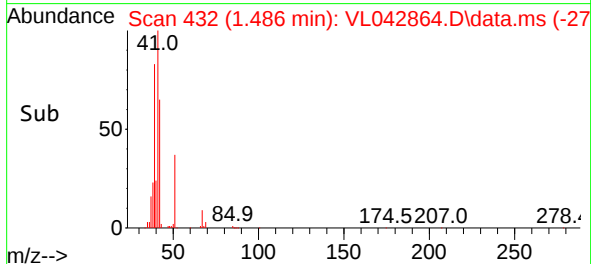
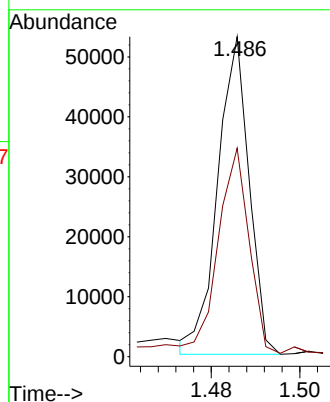
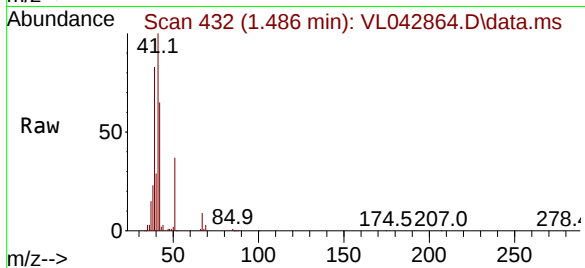
VSTDCCC010EC

Tgt Ion: 41 Resp: 25982

Ion Ratio Lower Upper

41 100

42 71.4 53.0 79.4



#10

Heptane

Concen: 8.677 ppbv

RT: 4.998 min Scan# 1517

Delta R.T. 0.010 min

Lab File: VL042864.D

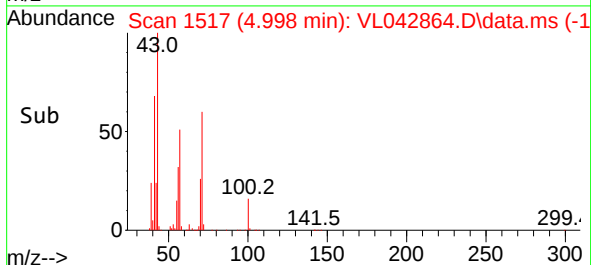
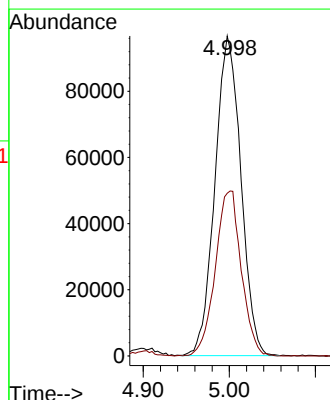
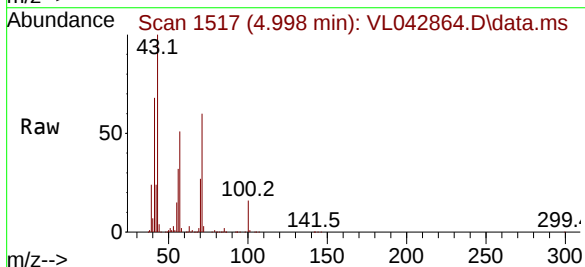
Acq: 13 Aug 2025 22:39

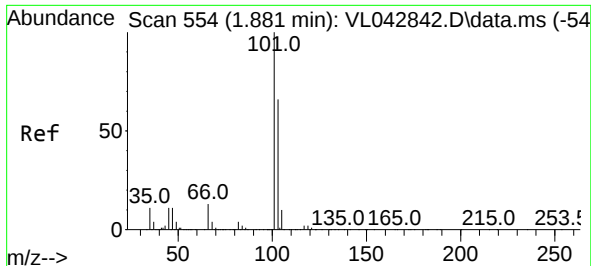
Tgt Ion: 43 Resp: 202828

Ion Ratio Lower Upper

43 100

57 51.7 41.4 62.0

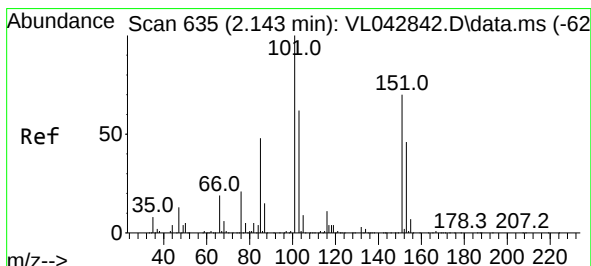
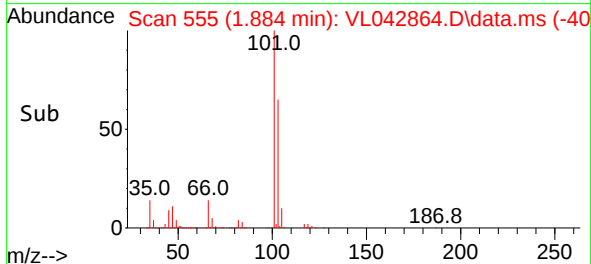
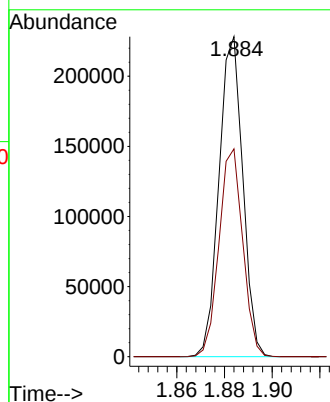
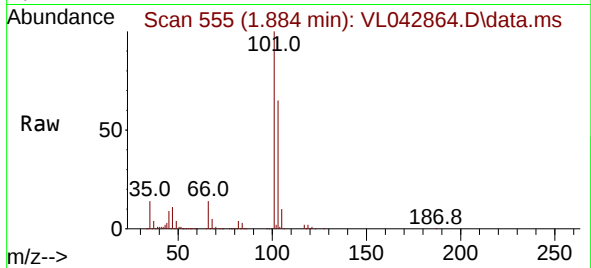




#11  
 Trichlorofluoromethane  
 Concen: 8.760 ppbv  
 RT: 1.884 min Scan# 511  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

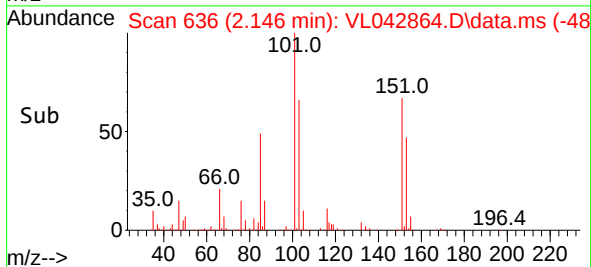
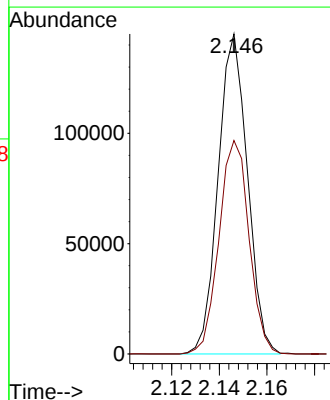
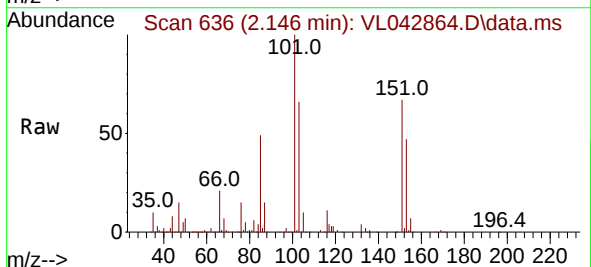
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

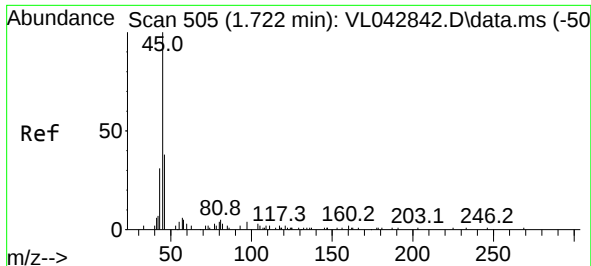
Tgt Ion:101 Resp: 158026  
 Ion Ratio Lower Upper  
 101 100  
 103 64.9 52.5 78.7



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 8.614 ppbv  
 RT: 2.146 min Scan# 636  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion:101 Resp: 123853  
 Ion Ratio Lower Upper  
 101 100  
 151 68.5 56.4 84.6

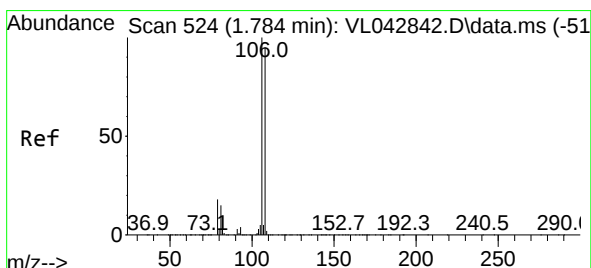
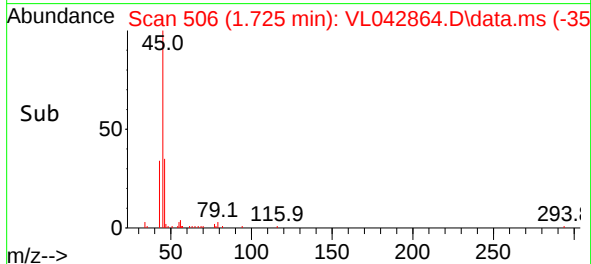
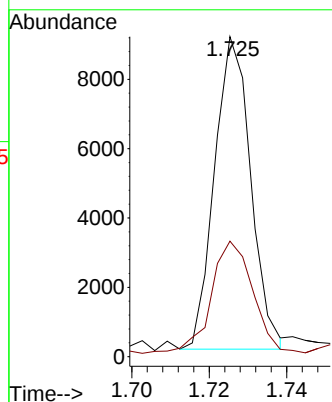
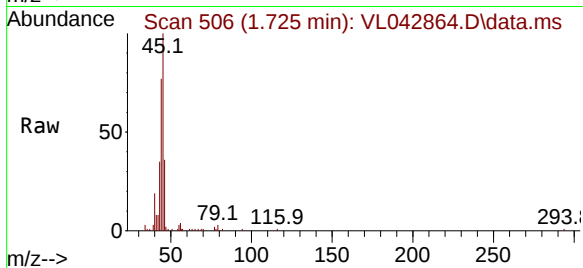




#13  
Ethanol  
Concen: 7.331 ppbv  
RT: 1.725 min Scan# 505  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

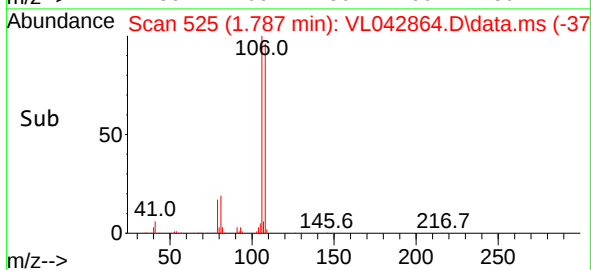
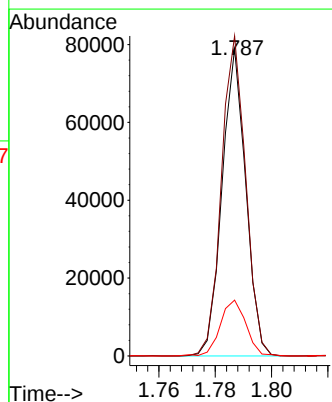
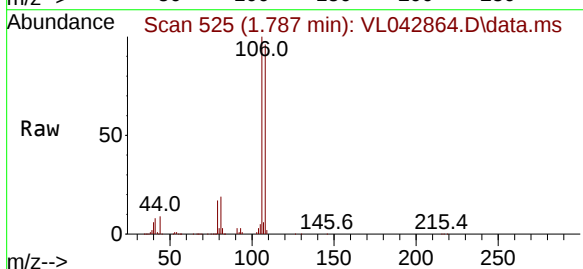
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ClientSampleId :  
VSTDCCC010EC

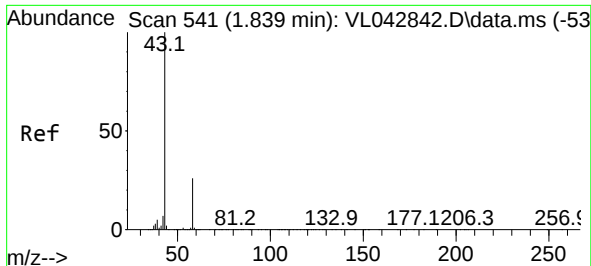
Tgt Ion: 45 Resp: 5850  
Ion Ratio Lower Upper  
45 100  
46 51.2 17.5 69.9



#14  
Bromoethene  
Concen: 8.857 ppbv  
RT: 1.787 min Scan# 525  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 108 Resp: 46101  
Ion Ratio Lower Upper  
108 100  
106 106.1 85.1 127.7  
79 19.5 16.3 24.5

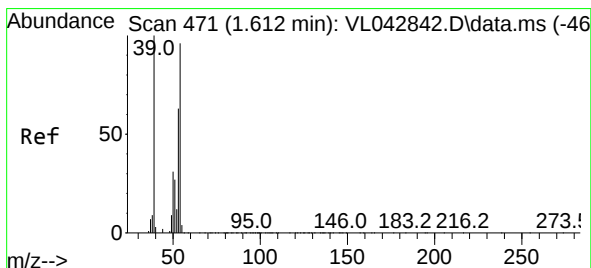
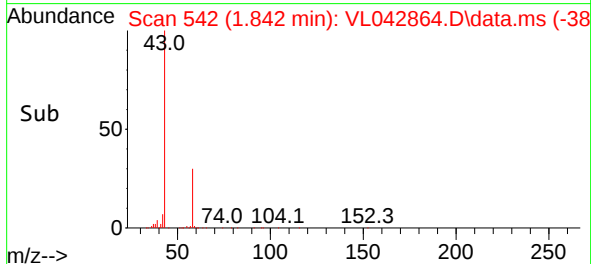
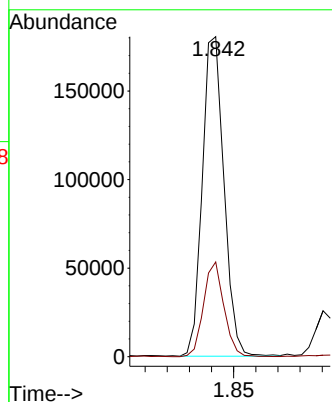
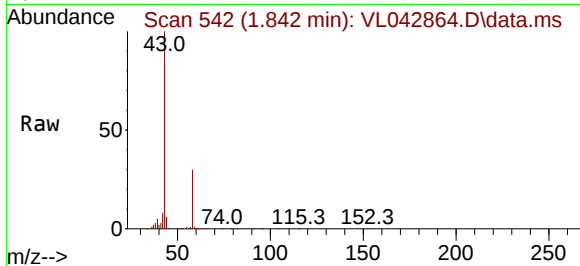




#15  
Acetone  
Concen: 7.421 ppbv  
RT: 1.842 min Scan# 541  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

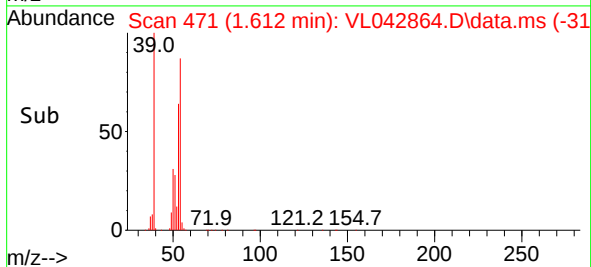
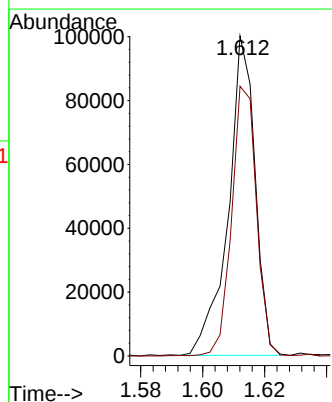
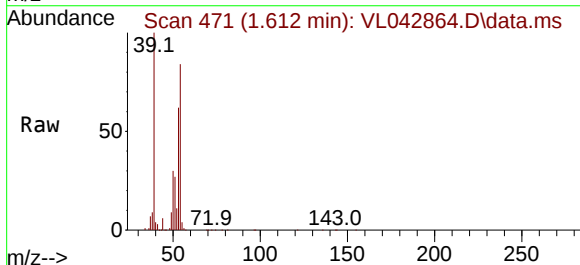
Instrument :  
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ClientSampleId :  
VSTDCCC010EC

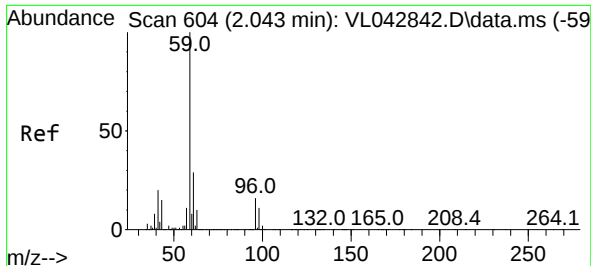
Tgt Ion: 43 Resp: 122464  
Ion Ratio Lower Upper  
43 100  
58 28.1 22.4 33.6



#16  
1,3-Butadiene  
Concen: 8.041 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.000 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 39 Resp: 60158  
Ion Ratio Lower Upper  
39 100  
54 78.4 63.6 95.4

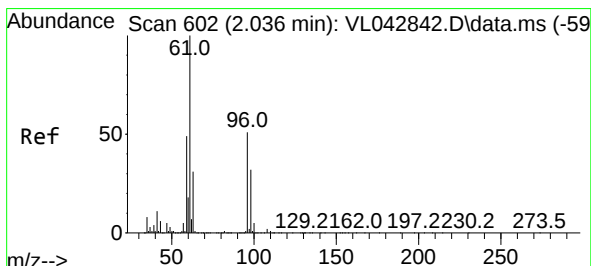
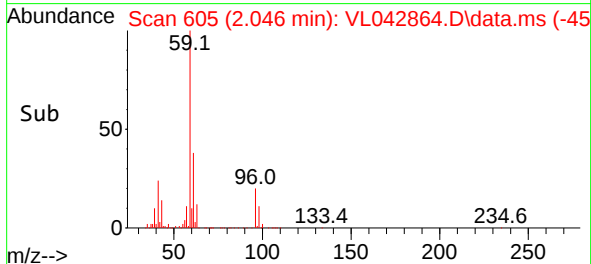
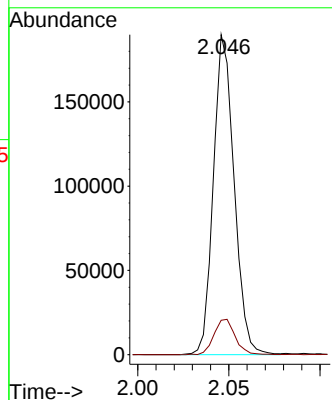
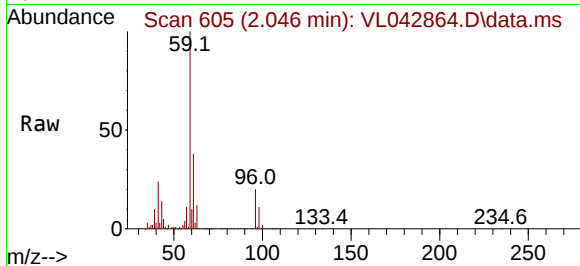




#17  
tert-Butyl alcohol  
Concen: 7.651 ppbv  
RT: 2.046 min Scan# 604  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

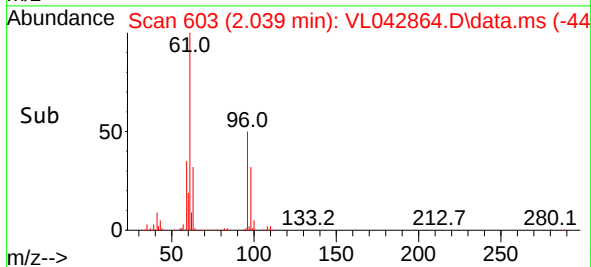
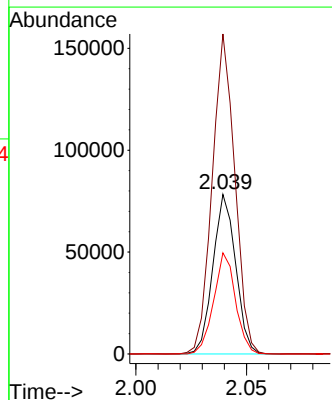
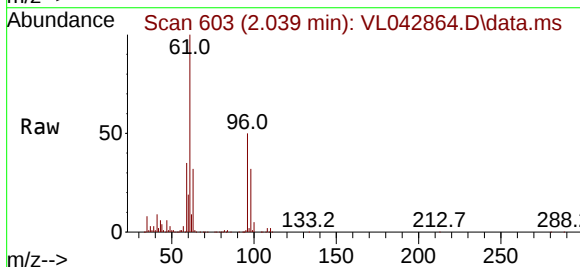
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MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

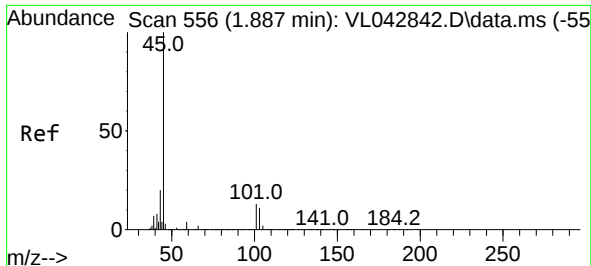
Tgt Ion: 59 Resp: 149737  
Ion Ratio Lower Upper  
59 100  
57 11.4 9.0 13.4



#18  
1,1-Dichloroethene  
Concen: 8.859 ppbv  
RT: 2.039 min Scan# 603  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 96 Resp: 55998  
Ion Ratio Lower Upper  
96 100  
61 200.6 158.2 237.4  
98 63.4 50.6 76.0

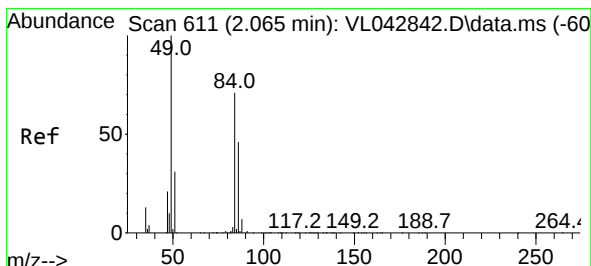
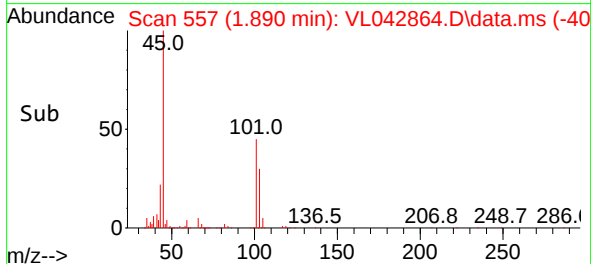
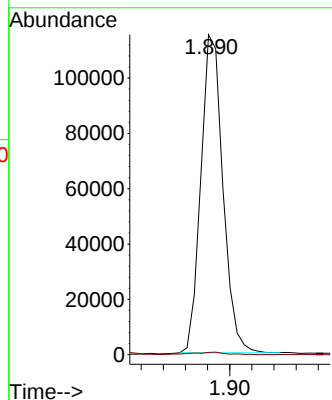
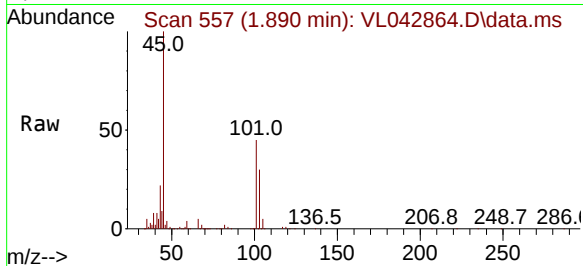




#19  
Isopropyl Alcohol  
Concen: 8.064 ppbv  
RT: 1.890 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

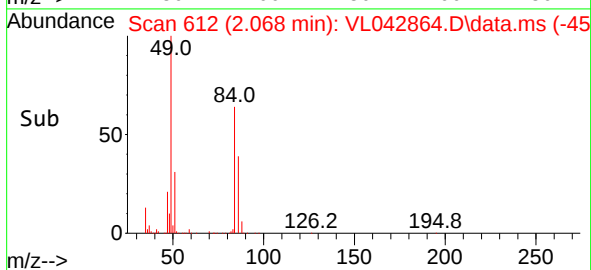
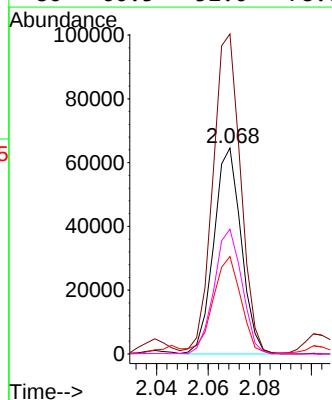
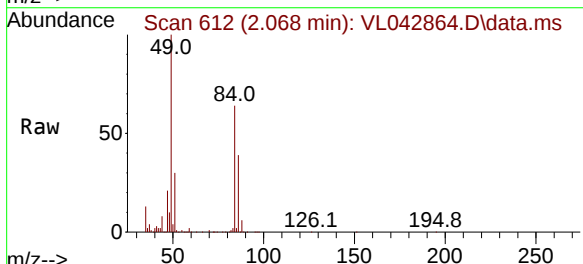
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

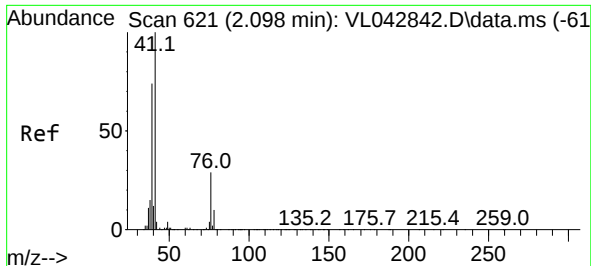
Tgt Ion: 45 Resp: 79487  
Ion Ratio Lower Upper  
45 100  
58 43.3 32.7 49.1



#20  
Methylene Chloride  
Concen: 6.906 ppbv  
RT: 2.068 min Scan# 612  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 84 Resp: 47741  
Ion Ratio Lower Upper  
84 100  
49 155.0 112.3 168.5  
51 47.0 36.0 54.0  
86 60.5 52.0 78.0

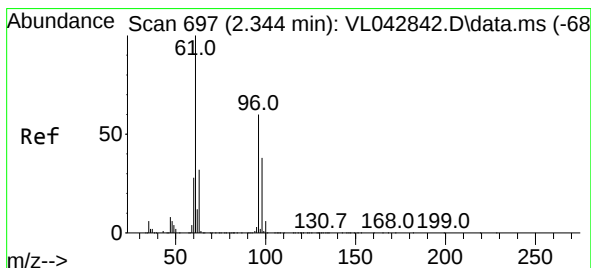
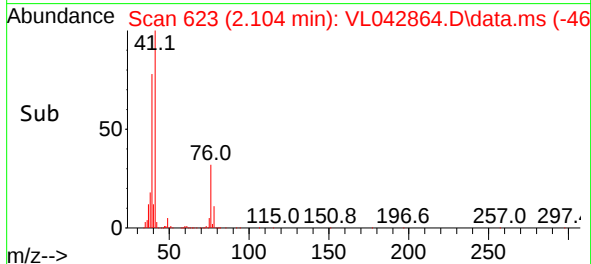
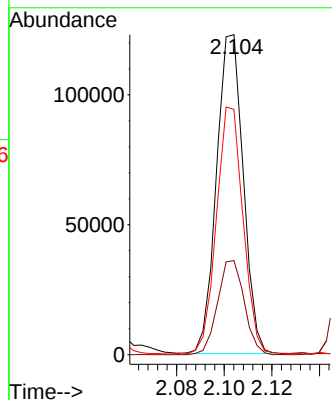
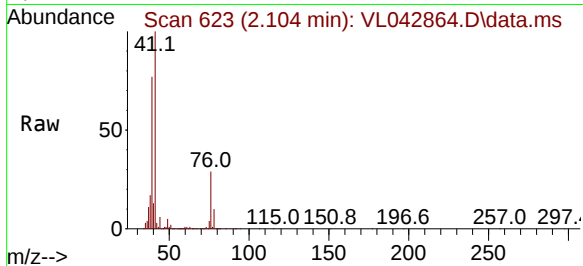




#21  
 Allyl Chloride  
 Concen: 8.223 ppbv  
 RT: 2.104 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

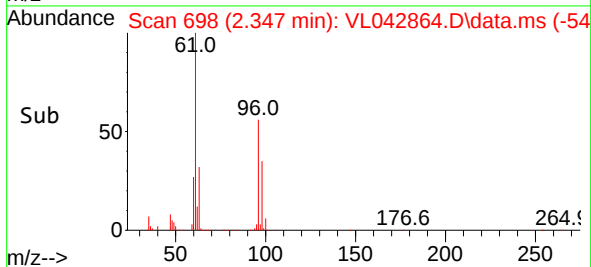
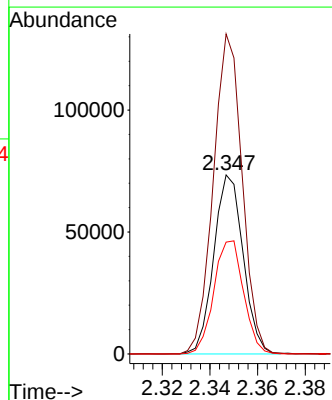
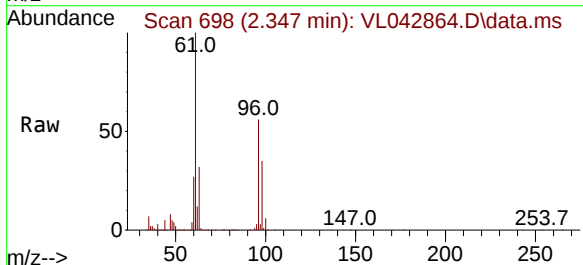
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 ClientSampleId :  
 VSTDCCC010EC

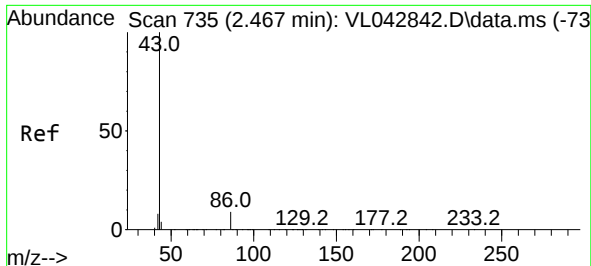
Tgt Ion: 41 Resp: 95867  
 Ion Ratio Lower Upper  
 41 100  
 76 29.3 23.9 35.9  
 39 77.2 57.8 86.6



#22  
 trans-1,2-Dichloroethene  
 Concen: 8.595 ppbv  
 RT: 2.347 min Scan# 698  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 96 Resp: 62853  
 Ion Ratio Lower Upper  
 96 100  
 61 178.7 132.6 199.0  
 98 62.5 50.0 75.0



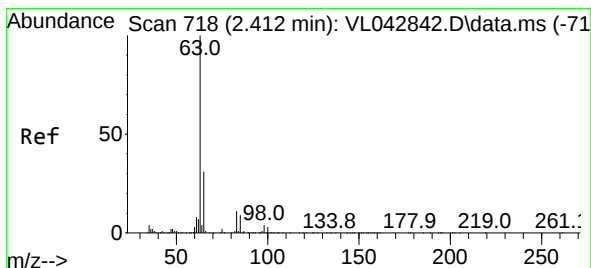
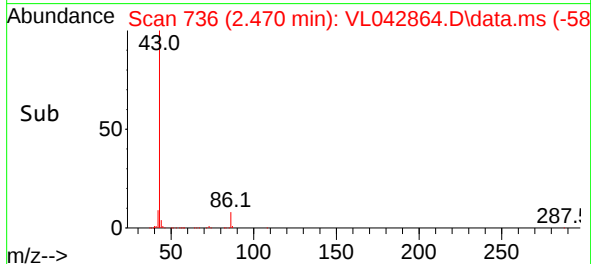
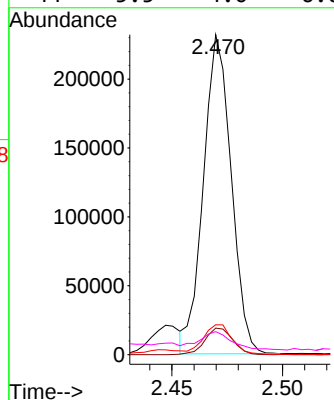
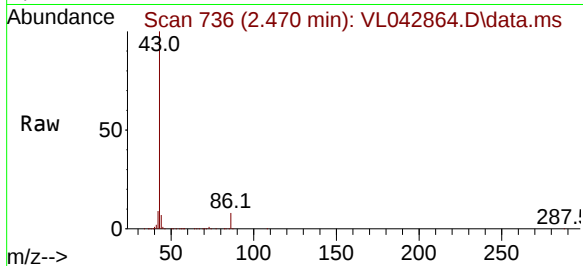


#23  
 Vinyl Acetate  
 Concen: 8.909 ppbv  
 RT: 2.470 min Scan# 719  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 43 Resp: 202157

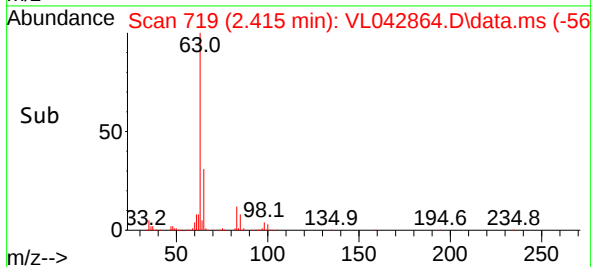
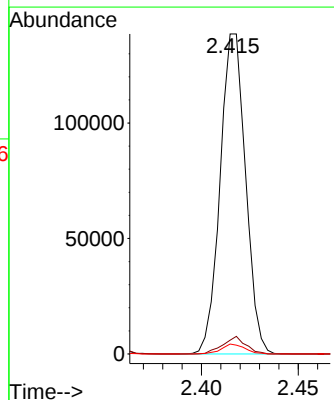
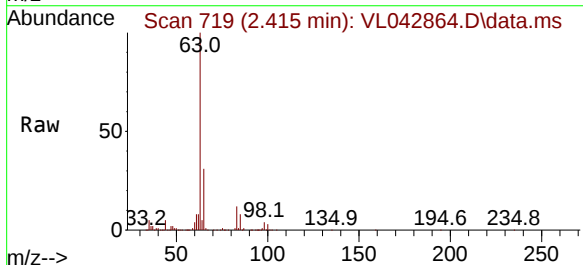
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 8.3   | 6.6   | 9.8   |
| 42  | 9.2   | 7.0   | 10.6  |
| 44  | 5.5   | 4.0   | 6.0   |

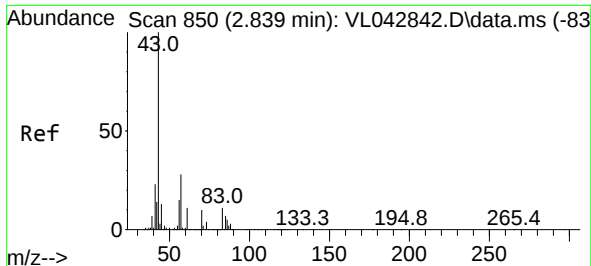


#24  
 1,1-Dichloroethane  
 Concen: 8.684 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 63 Resp: 126829

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.3   | 2.1   | 6.5   |
| 100 | 3.1   | 1.7   | 5.1   |

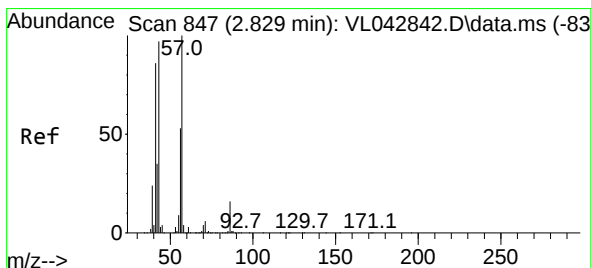
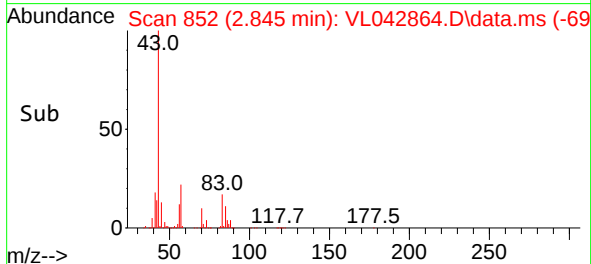
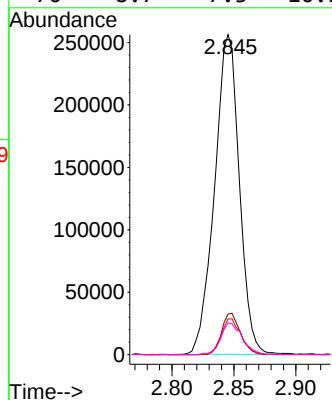
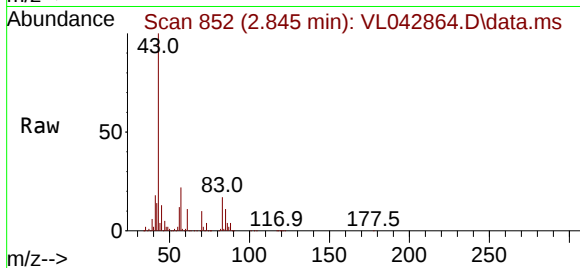




#25  
Ethyl Acetate  
Concen: 8.932 ppbv  
RT: 2.845 min Scan# 81  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

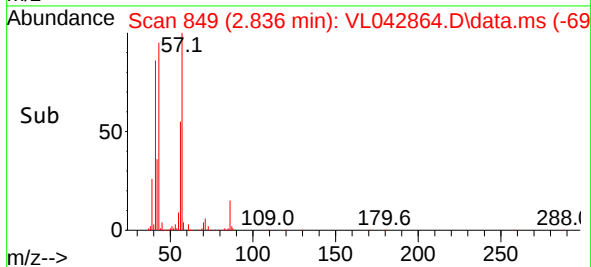
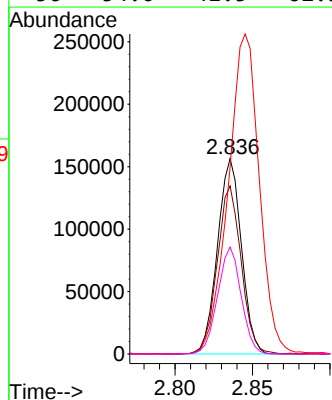
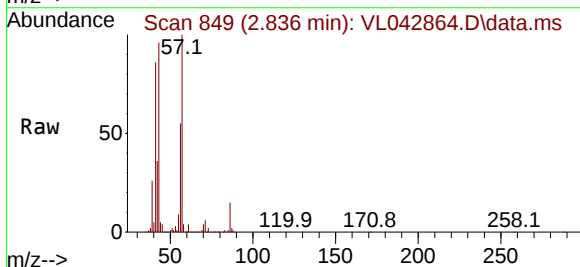
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

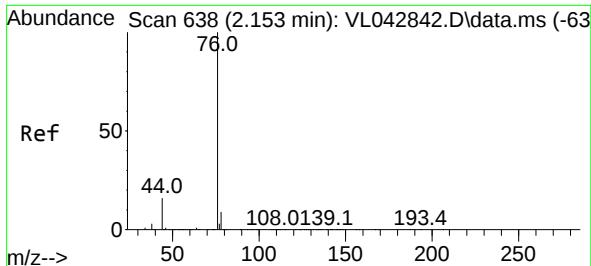
| Tgt Ion: | 43    | Resp: | 356744 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 45       | 10.0  | 8.1   | 12.1   |
| 61       | 9.0   | 7.4   | 11.2   |
| 70       | 8.7   | 7.3   | 10.9   |



#26  
Hexane  
Concen: 9.080 ppbv  
RT: 2.836 min Scan# 849  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

| Tgt Ion: | 57    | Resp: | 167396 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 57       | 100   |       |        |
| 41       | 86.6  | 68.6  | 103.0  |
| 43       | 214.0 | 168.5 | 252.7  |
| 56       | 54.0  | 41.5  | 62.3   |

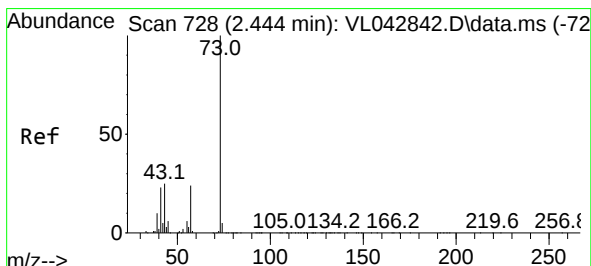
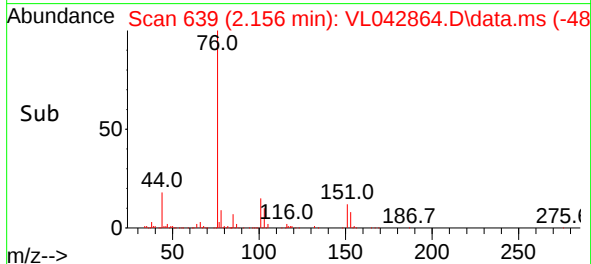
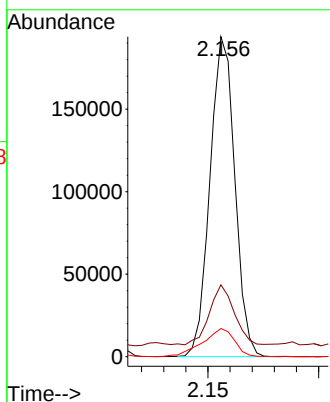
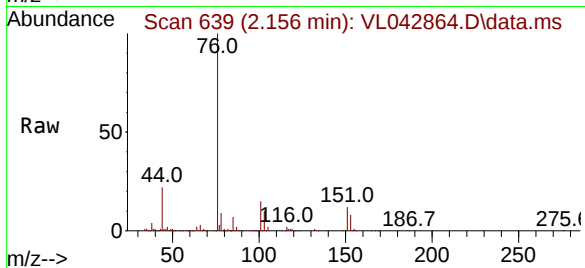




#27  
Carbon Disulfide  
Concen: 8.429 ppbv  
RT: 2.156 min Scan# 611  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

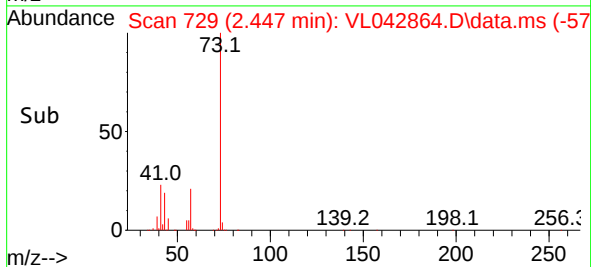
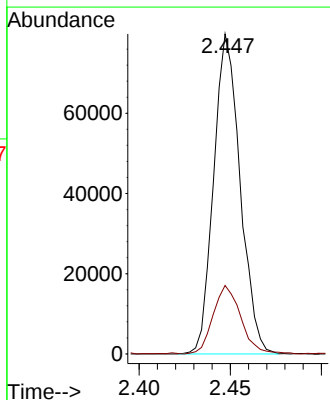
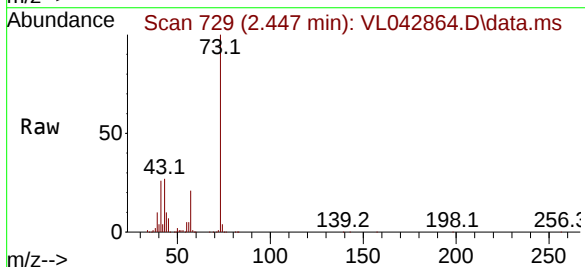
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

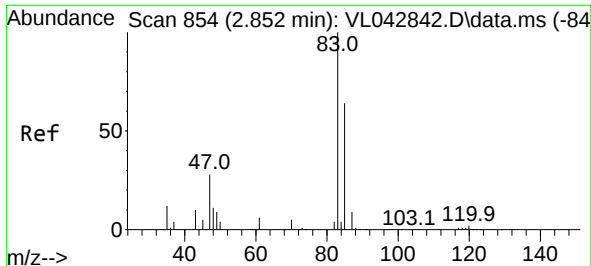
Tgt Ion: 76 Resp: 151230  
Ion Ratio Lower Upper  
76 100  
44 27.2 15.9 23.9#  
78 11.4 9.5 14.3



#28  
Methyl tert-Butyl Ether  
Concen: 8.559 ppbv  
RT: 2.447 min Scan# 729  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 73 Resp: 80454  
Ion Ratio Lower Upper  
73 100  
57 22.3 21.6 32.4





#29

Chloroform

Concen: 9.638 ppbv

RT: 2.858 min Scan# 854

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

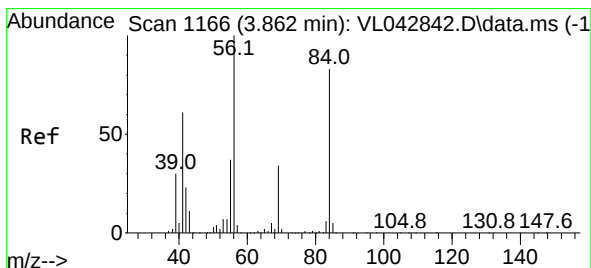
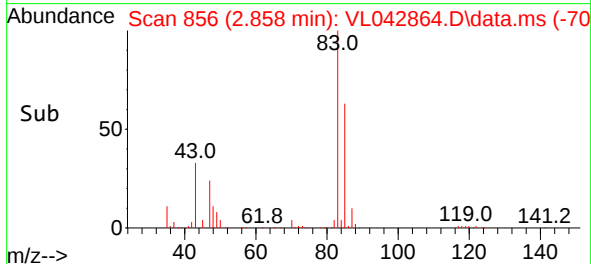
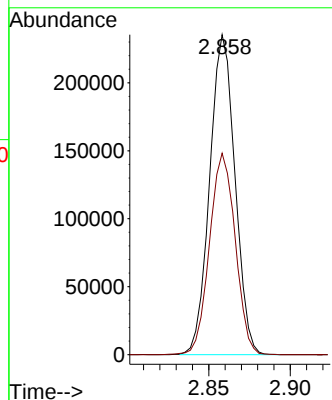
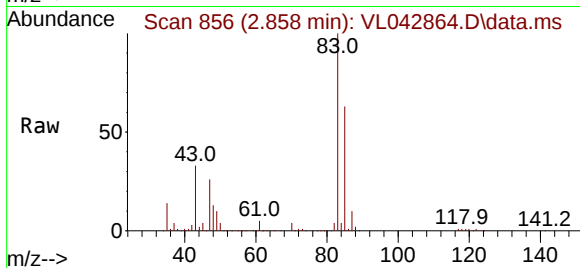
VSTDCCC010EC

Tgt Ion: 83 Resp: 253674

Ion Ratio Lower Upper

83 100

85 62.9 51.1 76.7



#30

Cyclohexane

Concen: 8.829 ppbv

RT: 3.871 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

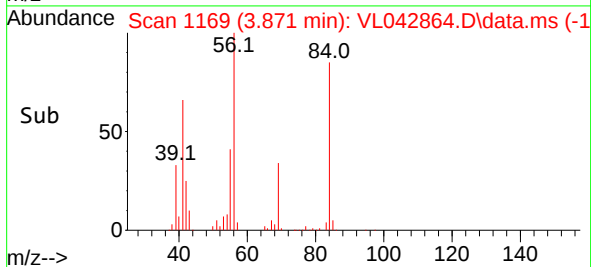
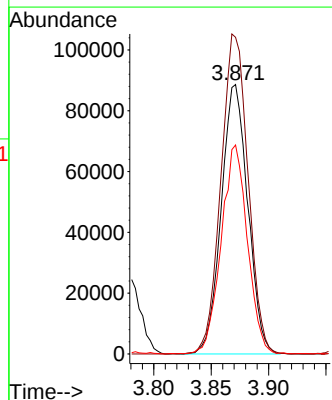
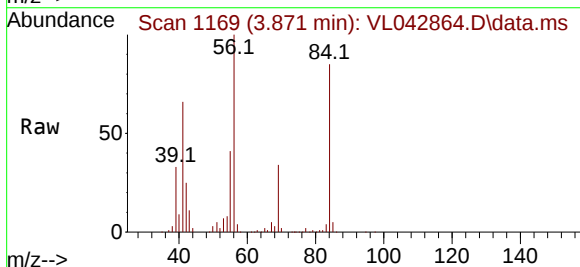
Tgt Ion: 84 Resp: 142701

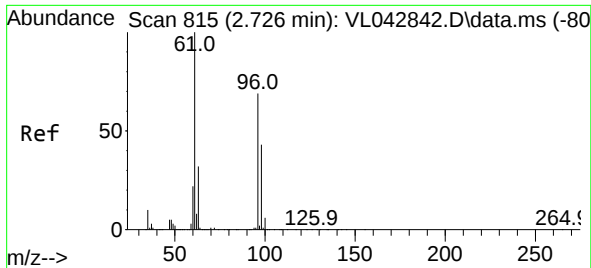
Ion Ratio Lower Upper

84 100

56 121.3 98.8 148.2

41 76.3 61.3 91.9

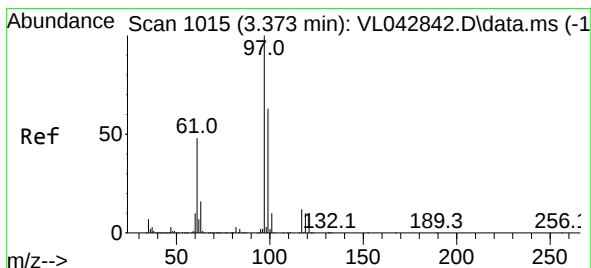
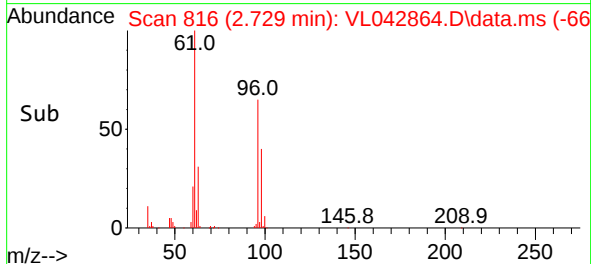
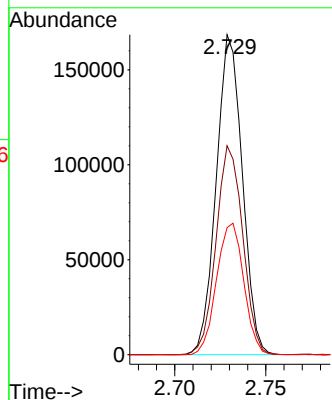
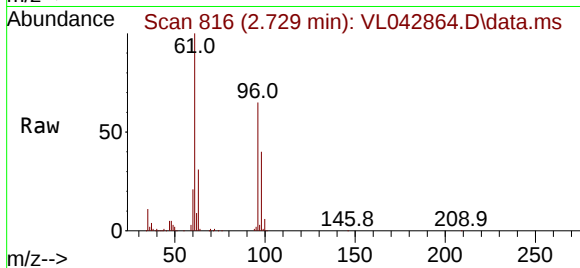




#31  
 cis-1,2-Dichloroethene  
 Concen: 9.116 ppbv  
 RT: 2.729 min Scan# 815  
 Delta R.T. 0.003 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

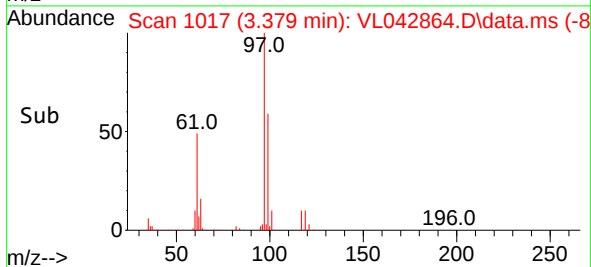
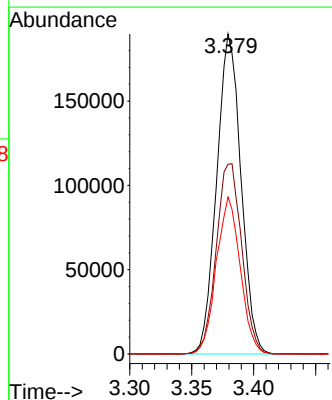
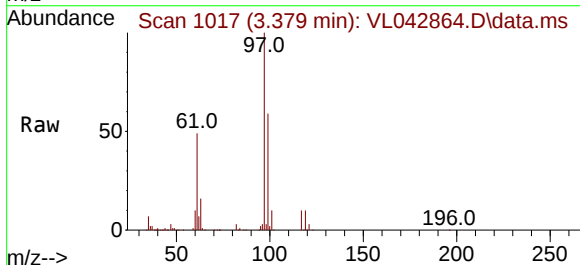
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

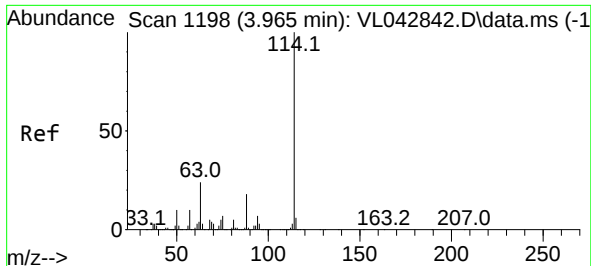
Tgt Ion: 61 Resp: 167868  
 Ion Ratio Lower Upper  
 61 100  
 96 65.3 55.0 82.6  
 98 39.7 34.3 51.5



#32  
 1,1,1-Trichloroethane  
 Concen: 9.338 ppbv  
 RT: 3.379 min Scan# 1017  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 97 Resp: 259748  
 Ion Ratio Lower Upper  
 97 100  
 99 62.3 51.0 76.6  
 61 48.2 38.0 57.0

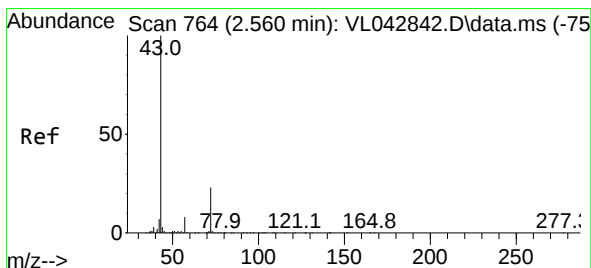
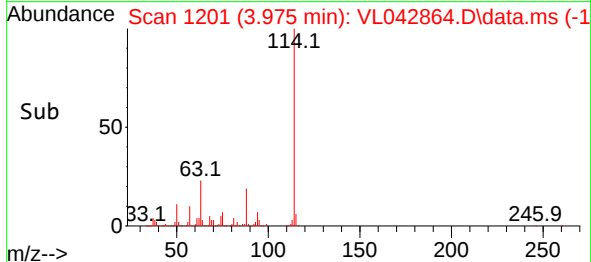
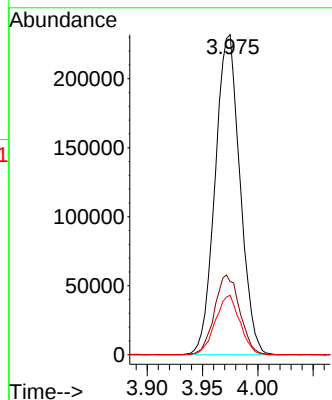
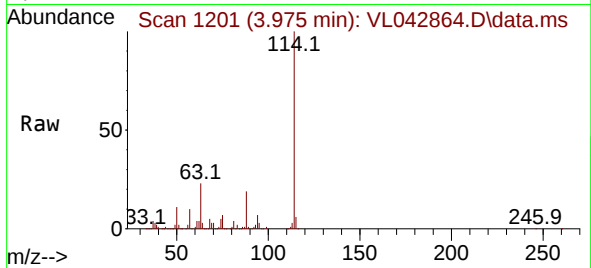




#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.975 min Scan# 1198  
 Delta R.T. 0.010 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

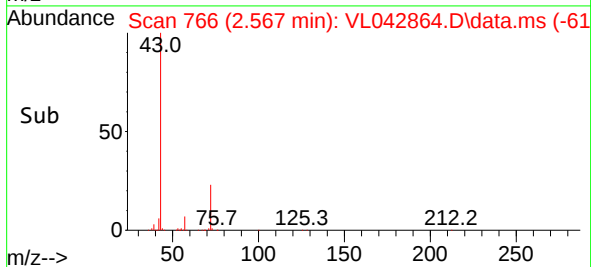
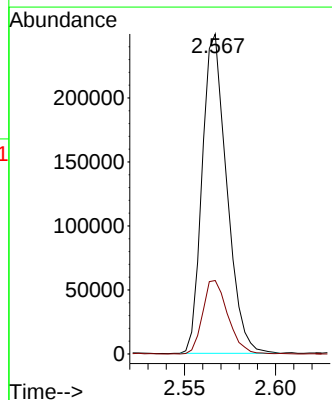
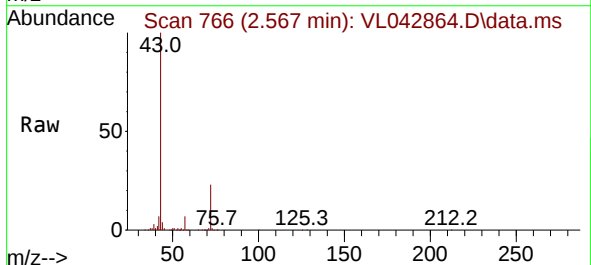
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

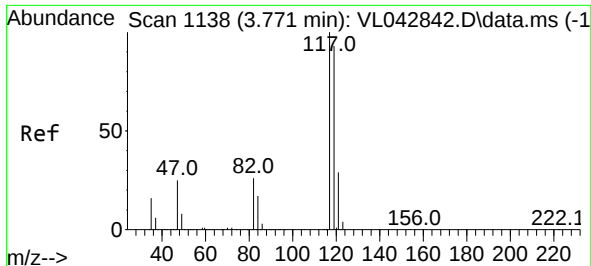
Tgt Ion:114 Resp: 361886  
 Ion Ratio Lower Upper  
 114 100  
 63 25.4 19.7 29.5  
 88 18.4 14.4 21.6



#34  
 2-Butanone  
 Concen: 9.574 ppbv  
 RT: 2.567 min Scan# 766  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 43 Resp: 233937  
 Ion Ratio Lower Upper  
 43 100  
 72 23.7 18.6 28.0

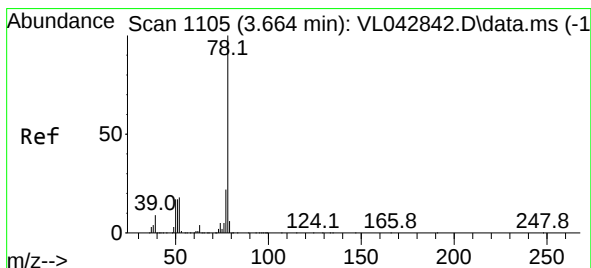
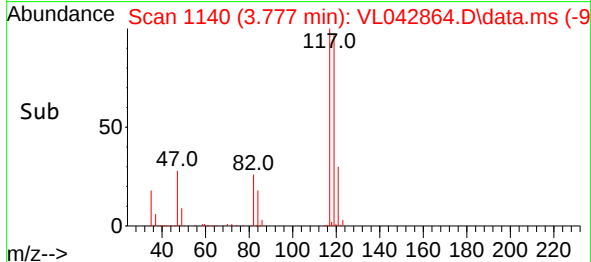
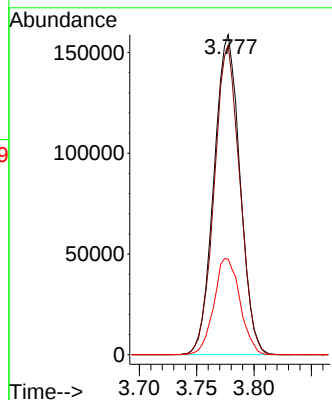
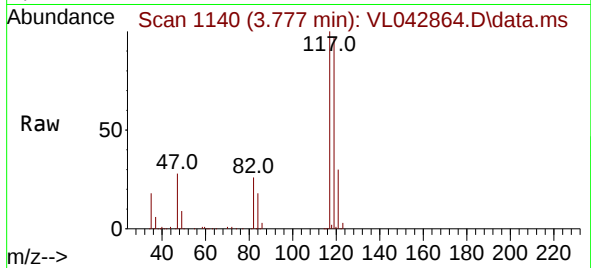




#35  
Carbon Tetrachloride  
Concen: 10.039 ppbv  
RT: 3.777 min Scan# 1138  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

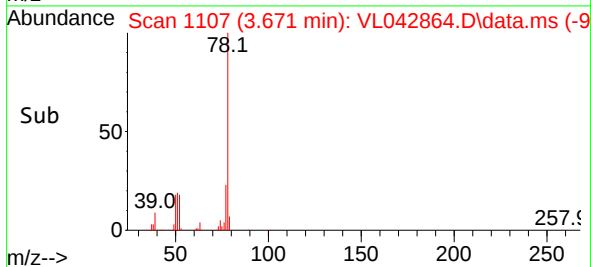
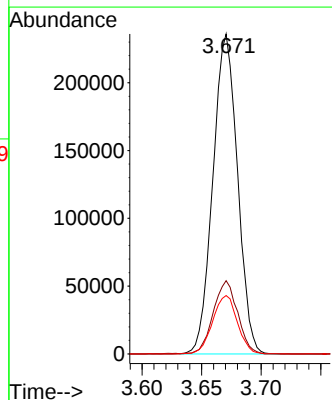
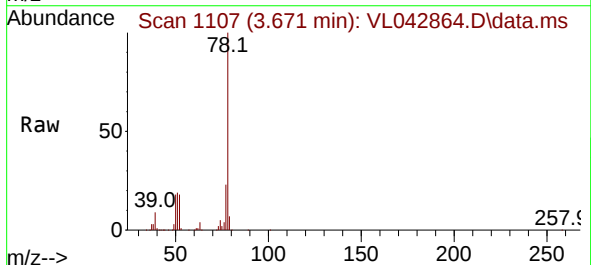
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

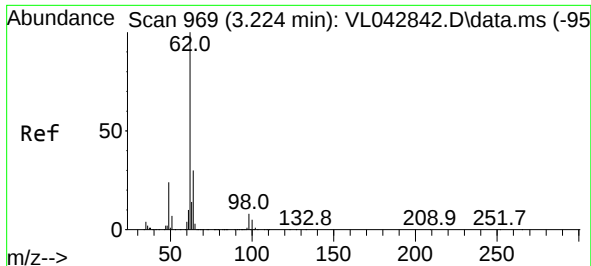
Tgt Ion:117 Resp: 250449  
Ion Ratio Lower Upper  
117 100  
119 96.6 74.7 112.1  
121 29.9 23.2 34.8



#36  
Benzene  
Concen: 9.778 ppbv  
RT: 3.671 min Scan# 1107  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 78 Resp: 338836  
Ion Ratio Lower Upper  
78 100  
77 22.8 17.7 26.5  
50 18.3 13.9 20.9





#37

1,2-Dichloroethane

Concen: 10.865 ppbv

RT: 3.230 min Scan# 91

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

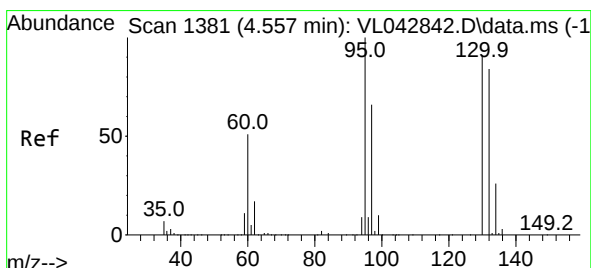
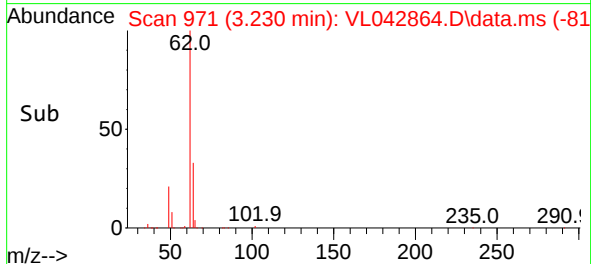
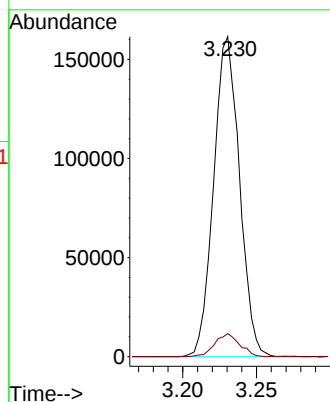
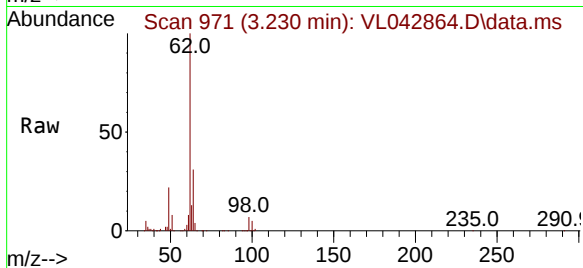
VSTDCCC010EC

Tgt Ion: 62 Resp: 196711

Ion Ratio Lower Upper

62 100

98 7.0 5.9 8.9



#38

Trichloroethene

Concen: 9.386 ppbv

RT: 4.564 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Tgt Ion: 130 Resp: 148543

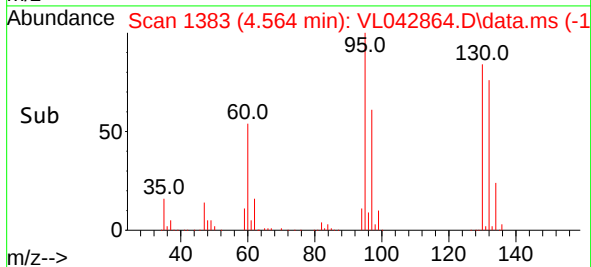
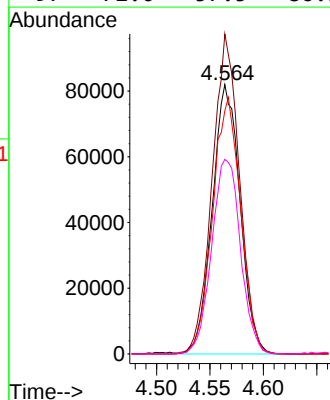
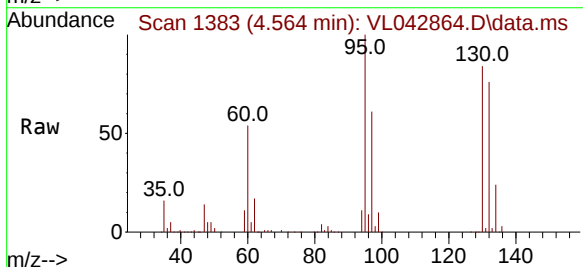
Ion Ratio Lower Upper

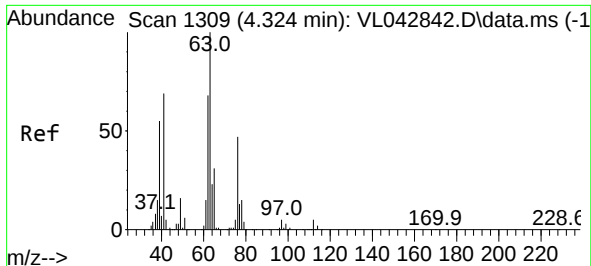
130 100

95 118.7 87.6 131.4

132 90.1 73.8 110.8

97 72.0 57.5 86.3





#39

1,2-Dichloropropane

Concen: 9.839 ppbv

RT: 4.328 min Scan# 1309

Delta R.T. 0.003 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

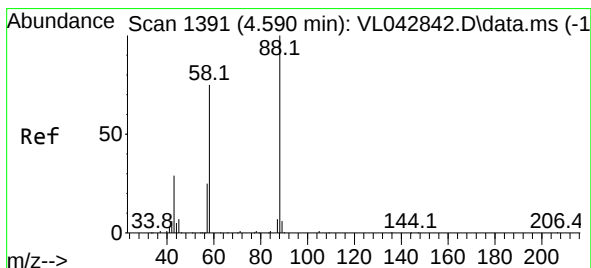
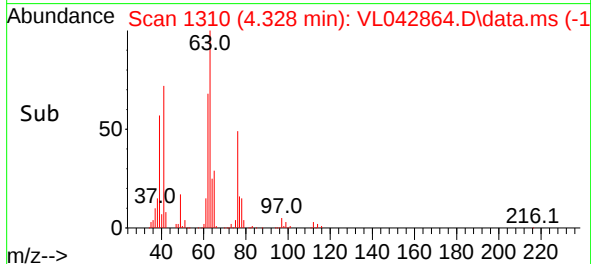
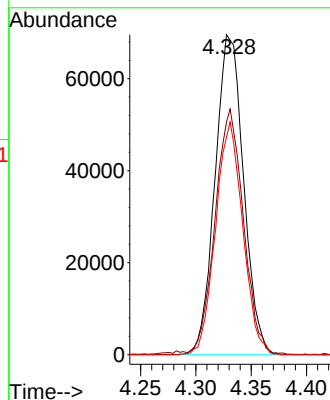
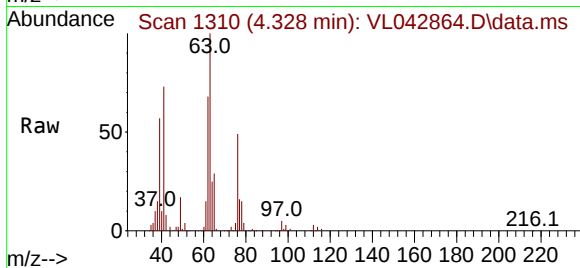
Tgt Ion: 63 Resp: 124520

Ion Ratio Lower Upper

63 100

41 72.1 55.0 82.4

62 67.8 54.4 81.6



#40

1,4-Dioxane

Concen: 8.795 ppbv

RT: 4.603 min Scan# 1395

Delta R.T. 0.013 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Tgt Ion: 88 Resp: 52932

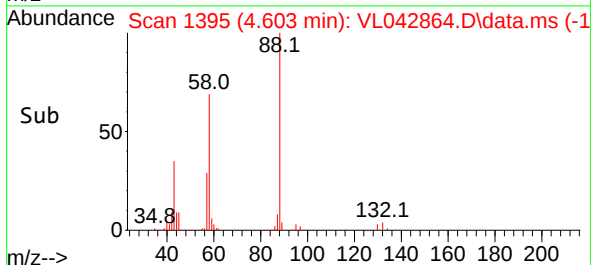
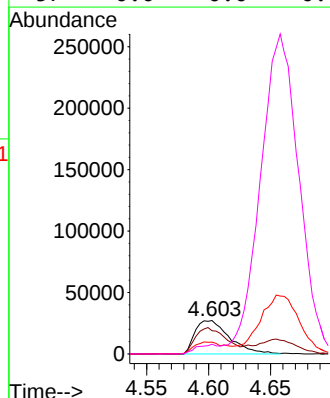
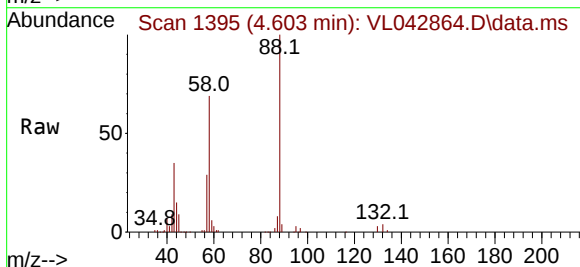
Ion Ratio Lower Upper

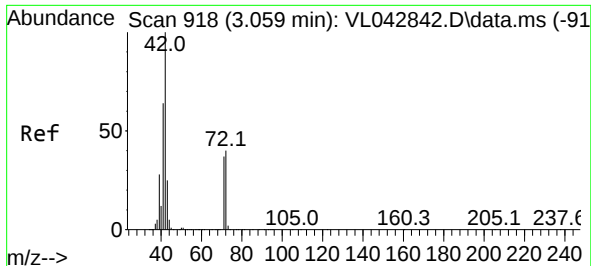
88 100

58 69.2 53.8 80.6

43 30.8 22.8 34.2

57 0.0 0.0 0.0

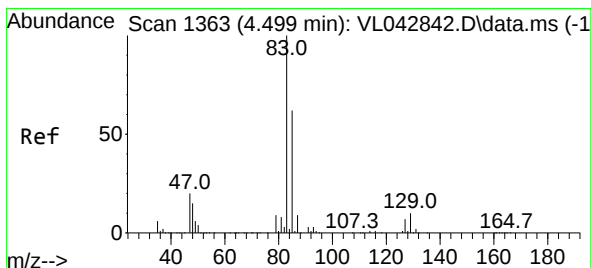
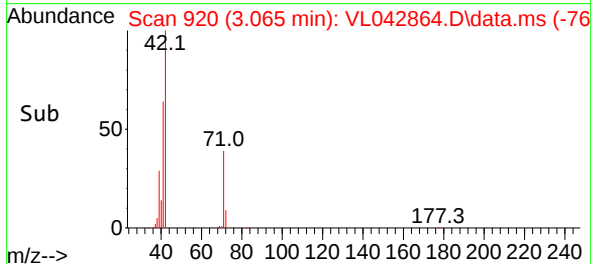
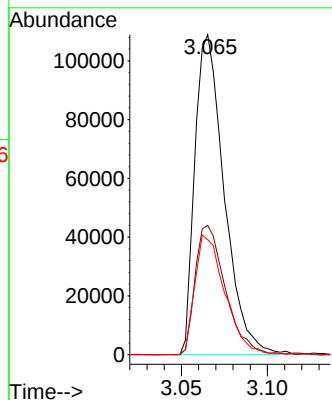
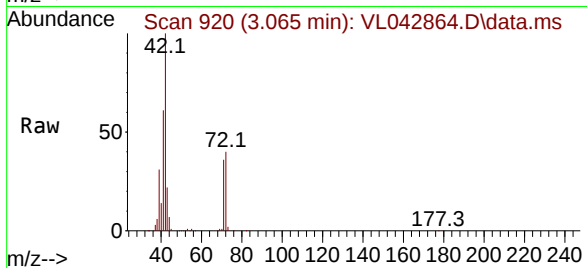




#41  
Tetrahydrofuran  
Concen: 9.493 ppbv  
RT: 3.065 min Scan# 918  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

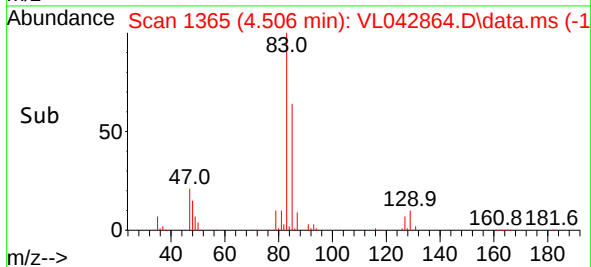
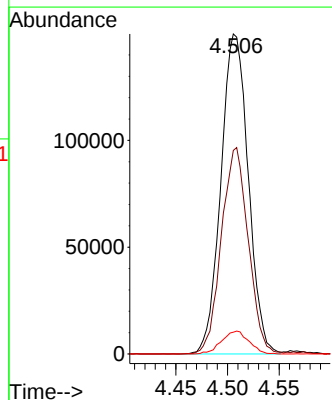
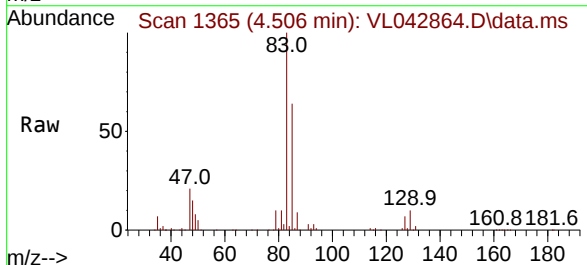
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

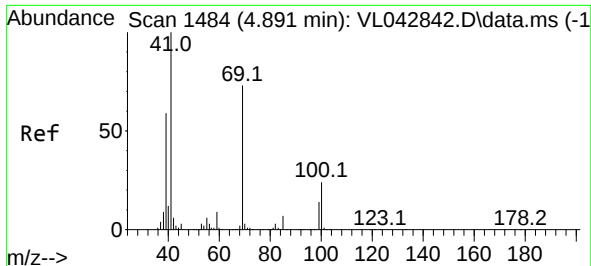
Tgt Ion: 42 Resp: 129335  
Ion Ratio Lower Upper  
42 100  
72 41.5 32.6 48.8  
71 38.4 30.0 45.0



#42  
Bromodichloromethane  
Concen: 10.238 ppbv  
RT: 4.506 min Scan# 1365  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 83 Resp: 276194  
Ion Ratio Lower Upper  
83 100  
85 63.6 49.8 74.8  
127 6.8 5.8 8.6

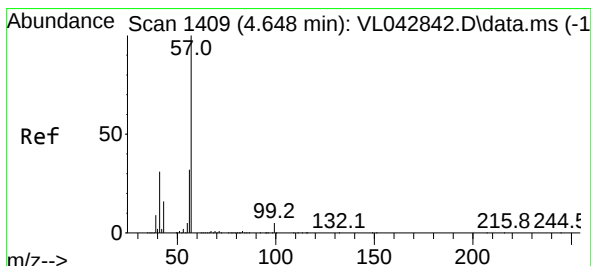
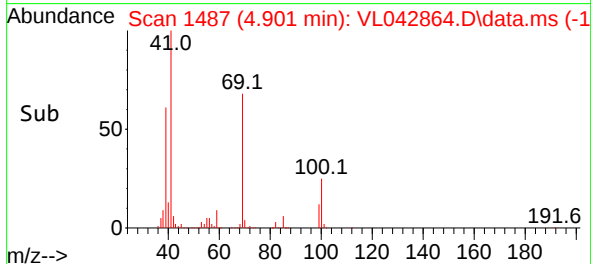
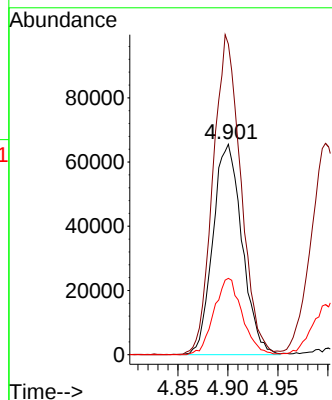
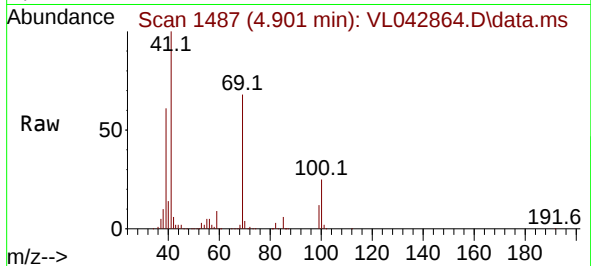




#43  
Methyl Methacrylate  
Concen: 9.330 ppbv  
RT: 4.901 min Scan# 1412  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

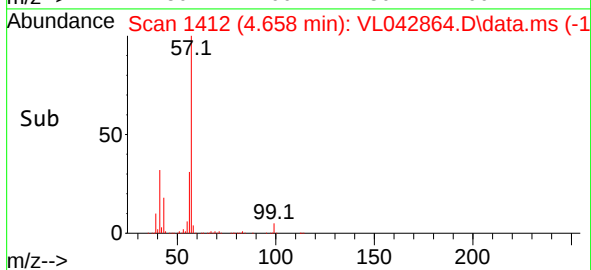
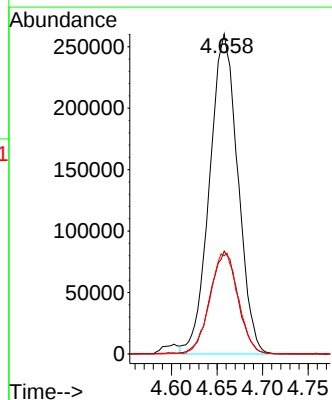
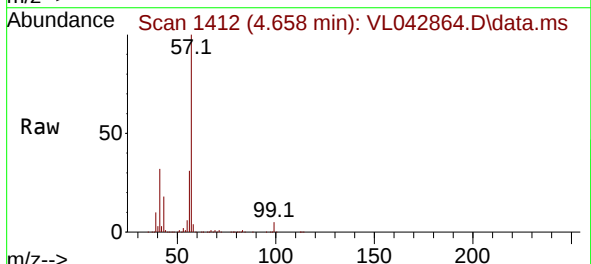
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

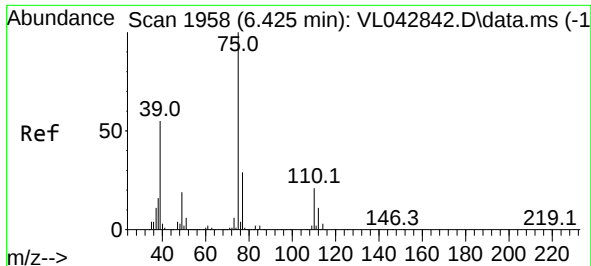
Tgt Ion: 69 Resp: 133193  
Ion Ratio Lower Upper  
69 100  
41 144.6 114.6 172.0  
100 34.9 30.2 45.4



#44  
2,2,4-Trimethylpentane  
Concen: 9.561 ppbv  
RT: 4.658 min Scan# 1412  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 57 Resp: 562365  
Ion Ratio Lower Upper  
57 100  
41 32.1 24.8 37.2  
56 31.8 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 9.411 ppbv

RT: 6.438 min Scan# 1958

Delta R.T. 0.013 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

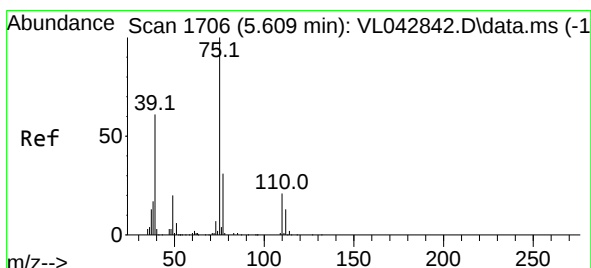
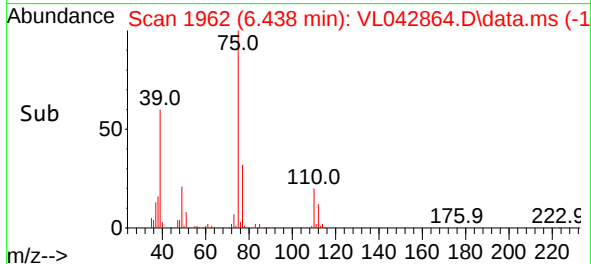
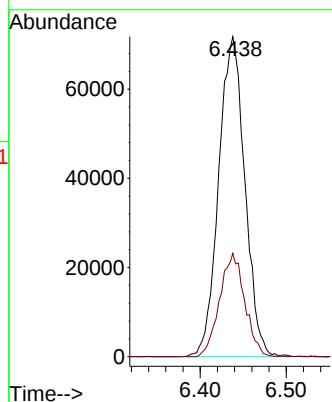
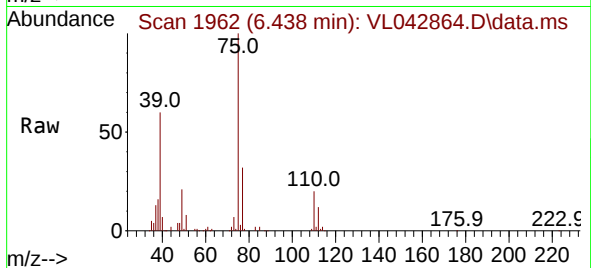
VSTDCCC010EC

Tgt Ion: 75 Resp: 151624

Ion Ratio Lower Upper

75 100

77 32.3 23.8 35.6



#46

cis-1,3-Dichloropropene

Concen: 9.697 ppbv

RT: 5.622 min Scan# 1710

Delta R.T. 0.013 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

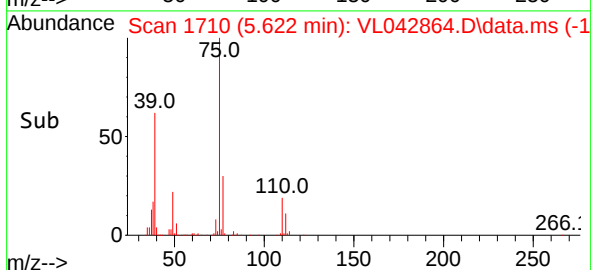
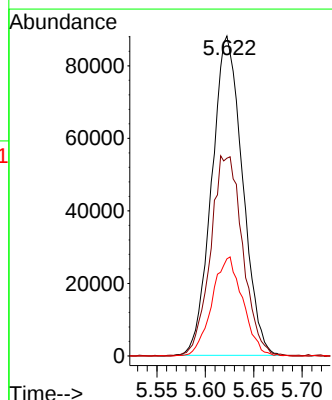
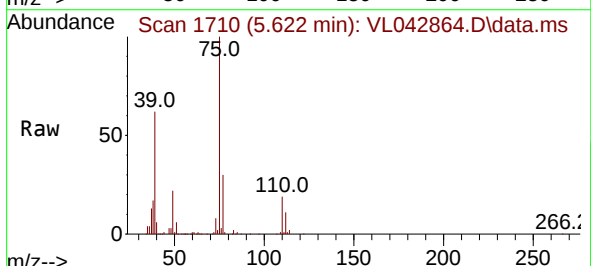
Tgt Ion: 75 Resp: 194664

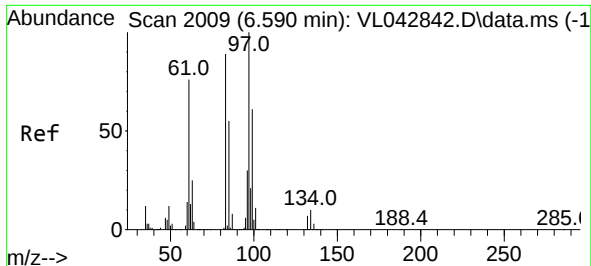
Ion Ratio Lower Upper

75 100

39 61.6 48.9 73.3

77 30.3 24.9 37.3

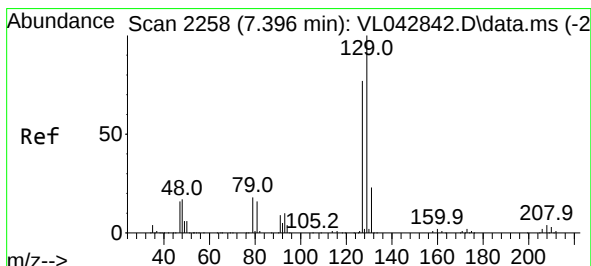
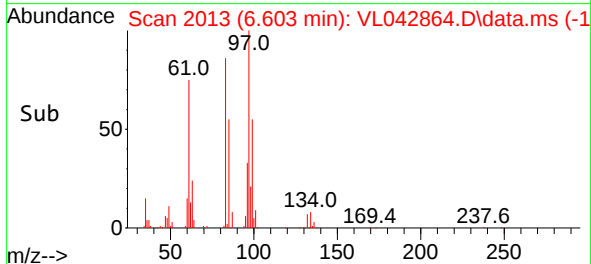
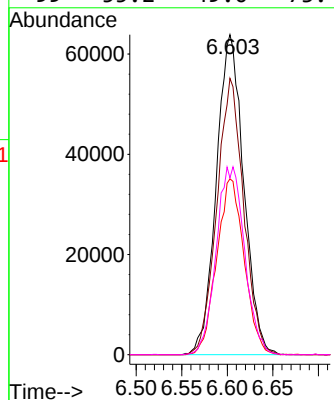
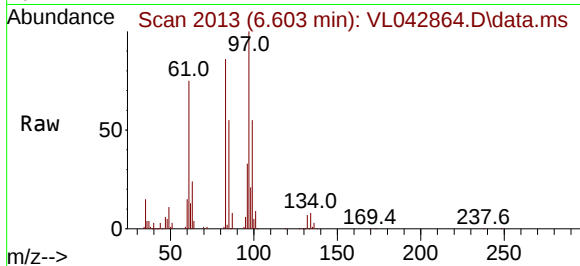




#47  
1,1,2-Trichloroethane  
Concen: 9.926 ppbv  
RT: 6.603 min Scan# 20  
Delta R.T. 0.013 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

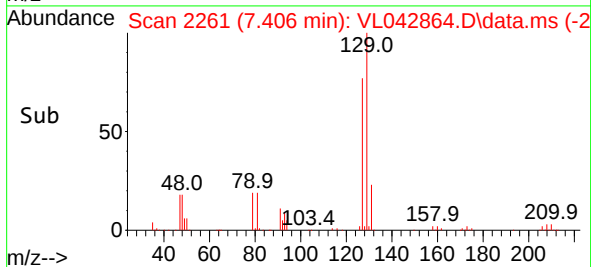
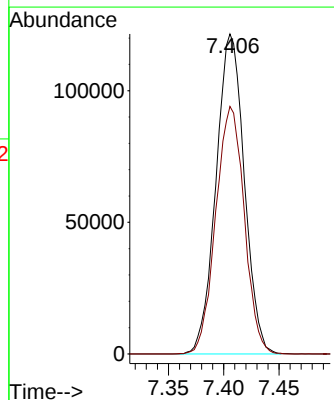
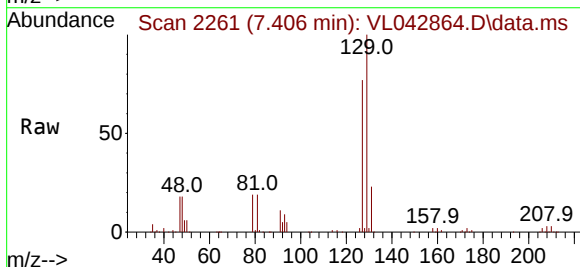
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

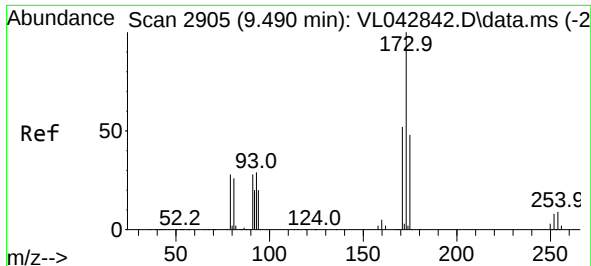
|             |              |
|-------------|--------------|
| Tgt Ion: 97 | Resp: 133102 |
| Ion Ratio   | Lower Upper  |
| 97 100      |              |
| 83 86.3     | 71.0 106.4   |
| 85 54.9     | 43.6 65.4    |
| 99 55.2     | 49.0 73.4    |



#48  
Dibromochloromethane  
Concen: 9.955 ppbv  
RT: 7.406 min Scan# 2261  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

|             |              |
|-------------|--------------|
| Tgt Ion:129 | Resp: 216018 |
| Ion Ratio   | Lower Upper  |
| 129 100     |              |
| 127 78.0    | 39.4 118.2   |

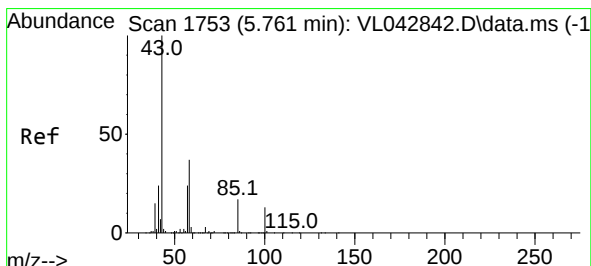
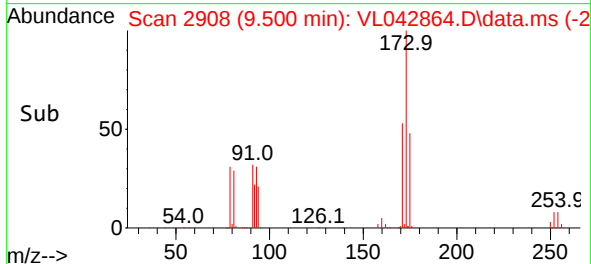
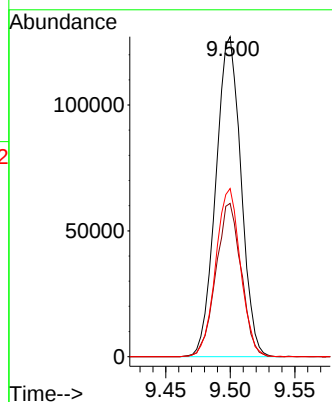
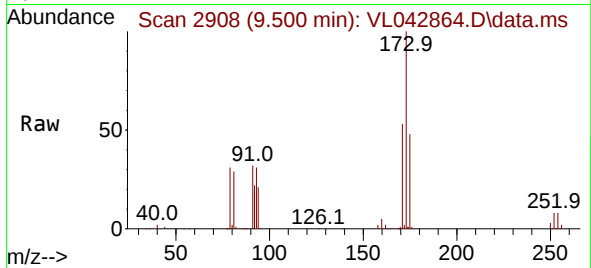




#49  
Bromoform  
Concen: 9.632 ppbv  
RT: 9.500 min Scan# 2905  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

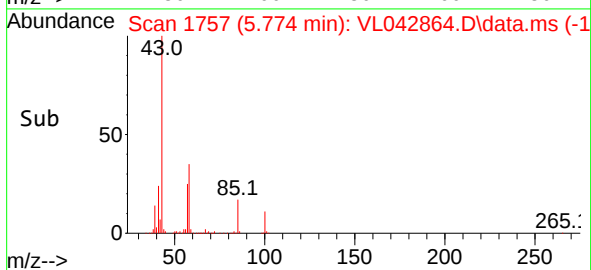
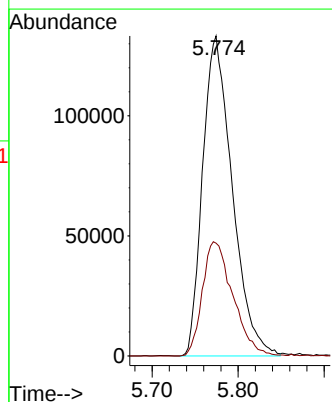
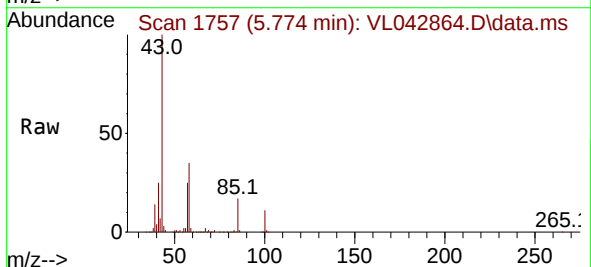
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

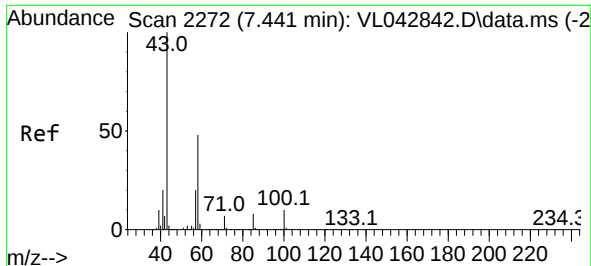
Tgt Ion:173 Resp: 172366  
Ion Ratio Lower Upper  
173 100  
175 48.0 39.2 58.8  
171 51.8 41.3 61.9



#50  
4-Methyl-2-Pentanone  
Concen: 9.637 ppbv  
RT: 5.774 min Scan# 1757  
Delta R.T. 0.013 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 43 Resp: 318294  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.8 44.8

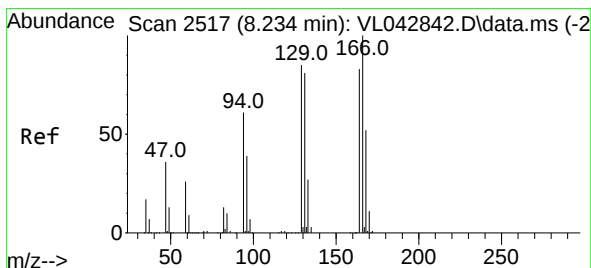
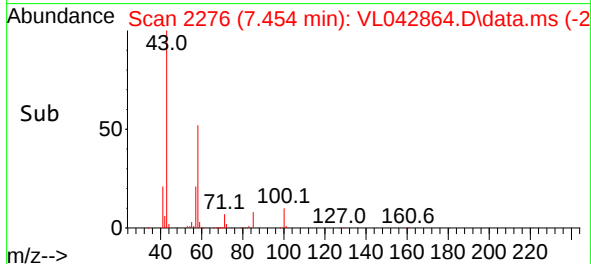
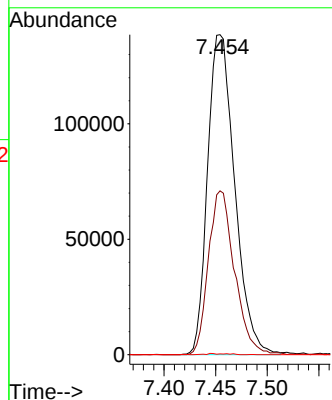
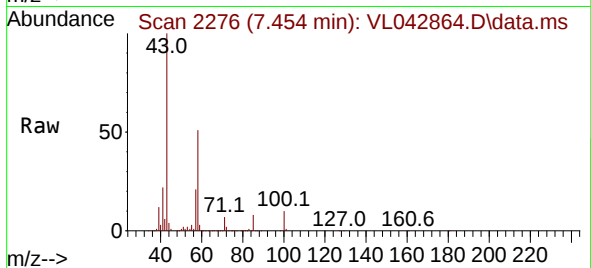




#51  
2-Hexanone  
Concen: 9.754 ppbv  
RT: 7.454 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

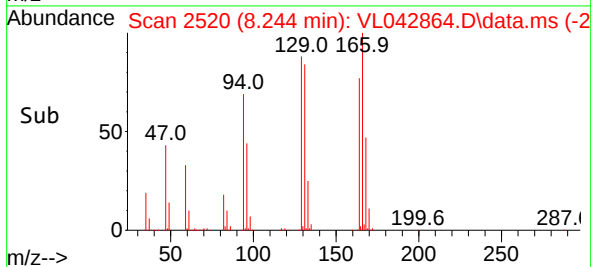
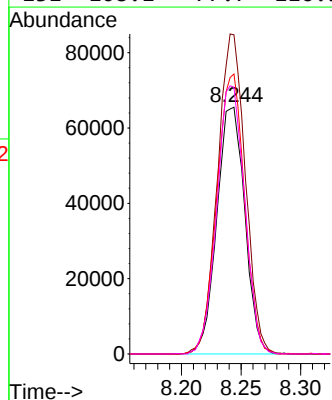
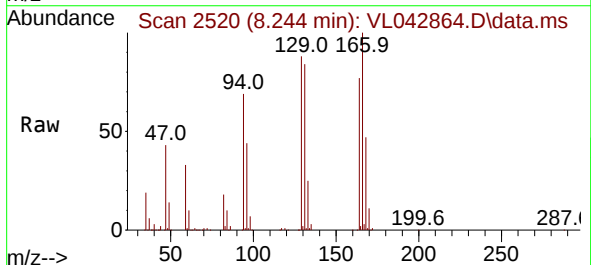
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

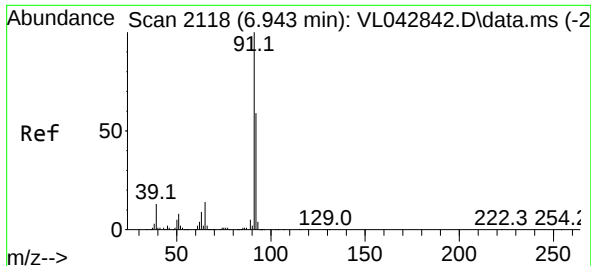
Tgt Ion: 43 Resp: 253519  
Ion Ratio Lower Upper  
43 100  
58 49.4 41.0 61.6  
98 0.3 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 8.514 ppbv  
RT: 8.244 min Scan# 2520  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 164 Resp: 106738  
Ion Ratio Lower Upper  
164 100  
166 129.4 96.5 144.7  
129 113.5 81.8 122.6  
131 108.1 77.7 116.5

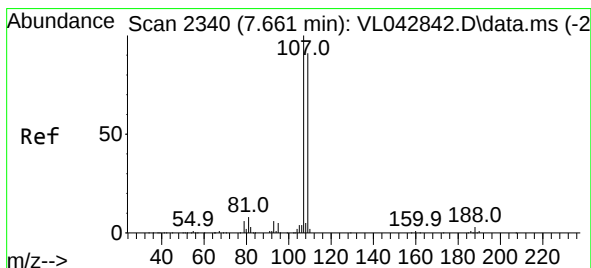
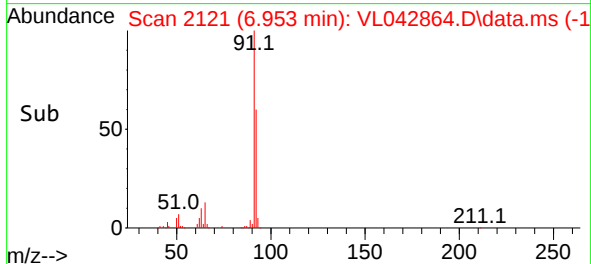
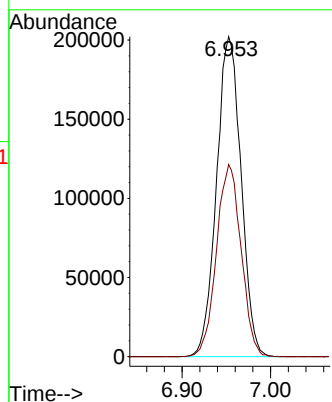
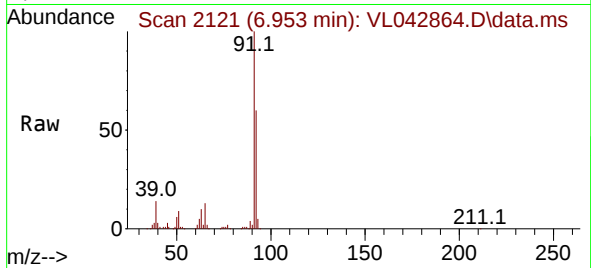




#53  
Toluene  
Concen: 9.468 ppbv  
RT: 6.953 min Scan# 2118  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

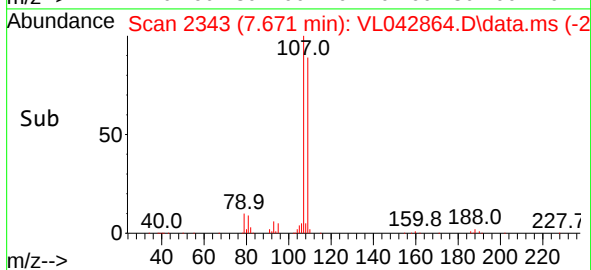
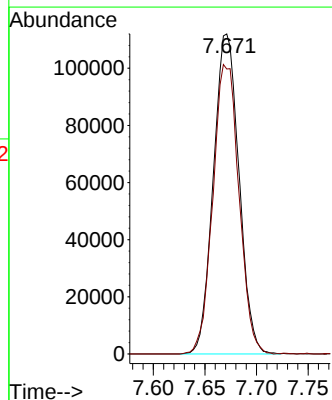
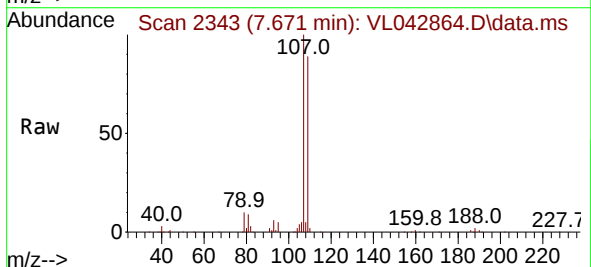
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

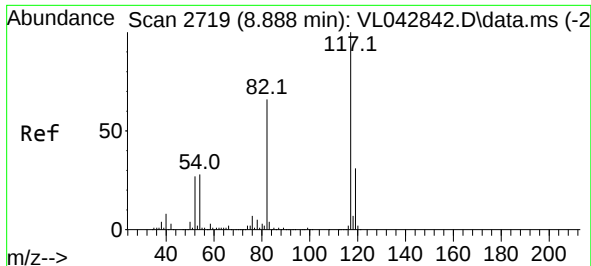
Tgt Ion: 91 Resp: 390060  
Ion Ratio Lower Upper  
91 100  
92 60.2 47.8 71.6



#54  
1,2-Dibromoethane  
Concen: 9.860 ppbv  
RT: 7.671 min Scan# 2343  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 107 Resp: 193235  
Ion Ratio Lower Upper  
107 100  
109 89.0 72.5 108.7

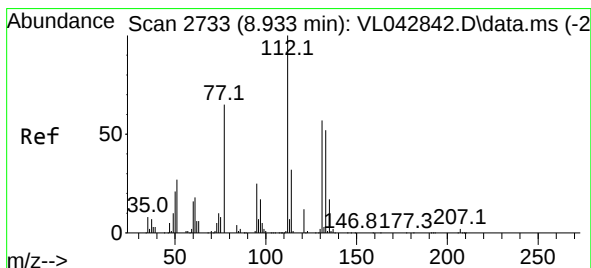
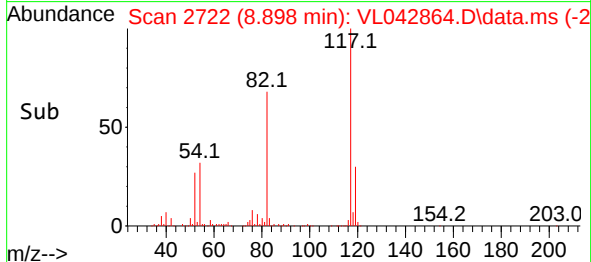
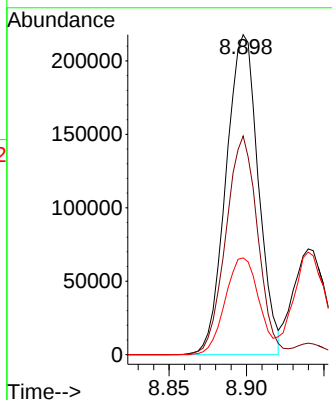
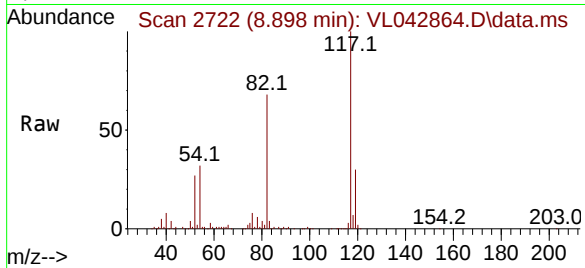




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.898 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

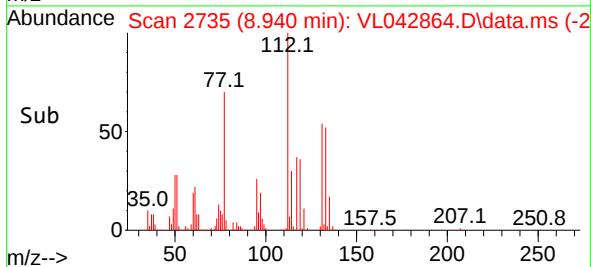
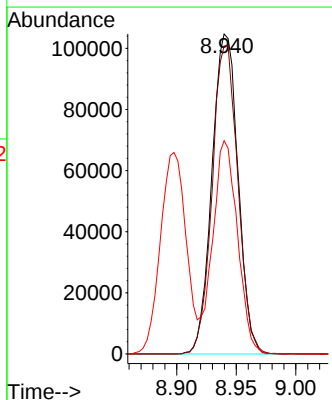
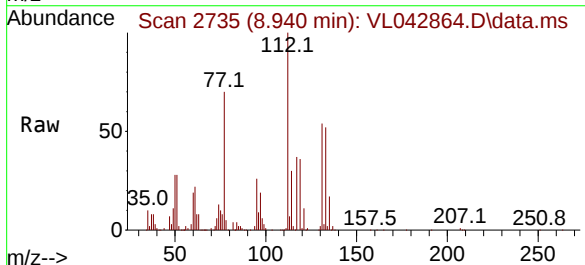
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

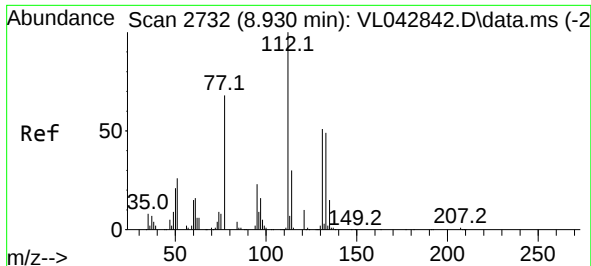
Tgt Ion:117 Resp: 316740  
Ion Ratio Lower Upper  
117 100  
82 70.6 54.6 81.8  
119 33.1 25.9 38.9



#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.702 ppbv  
RT: 8.940 min Scan# 2735  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion:131 Resp: 158906  
Ion Ratio Lower Upper  
131 100  
133 95.2 77.4 116.0  
119 63.8 51.2 76.8

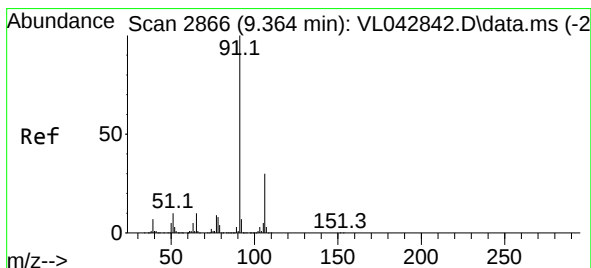
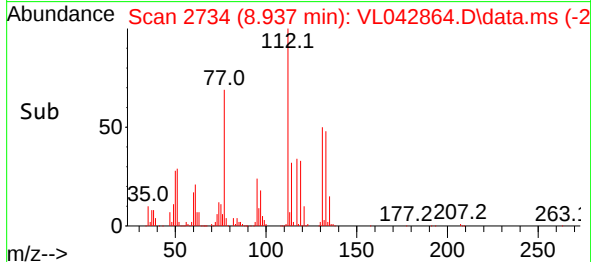
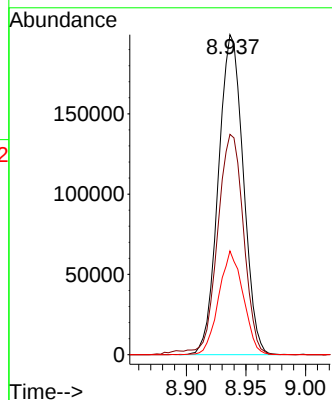
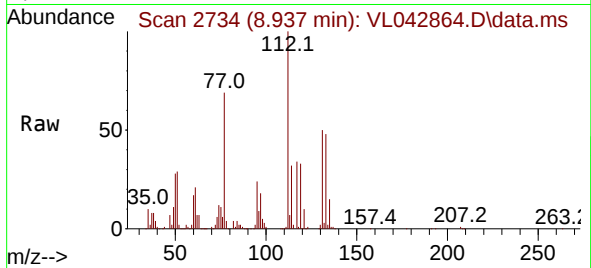




#57  
Chlorobenzene  
Concen: 9.634 ppbv  
RT: 8.937 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

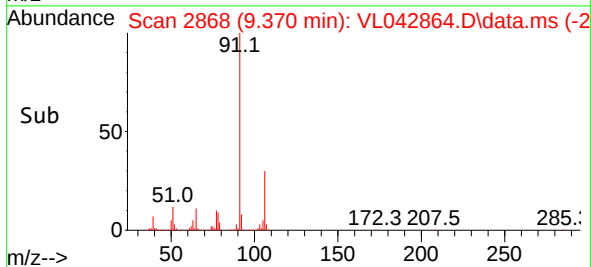
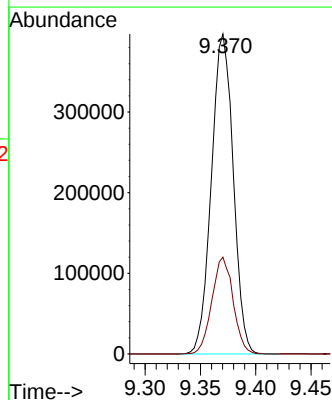
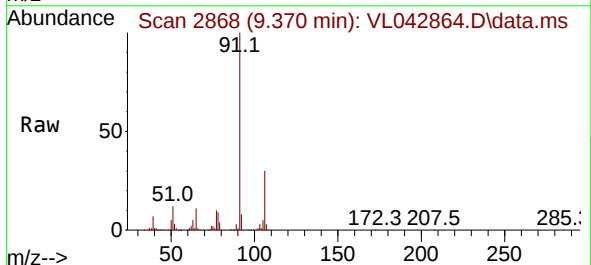
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MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

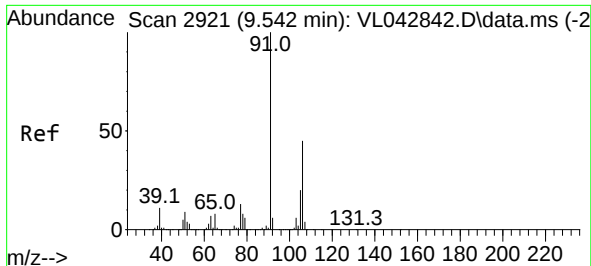
Tgt Ion:112 Resp: 290153  
Ion Ratio Lower Upper  
112 100  
77 68.8 55.5 83.3  
114 32.4 27.2 33.2



#58  
Ethyl Benzene  
Concen: 9.743 ppbv  
RT: 9.370 min Scan# 2868  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 91 Resp: 544607  
Ion Ratio Lower Upper  
91 100  
106 30.2 23.9 35.9





#59

m/p-Xylene

Concen: 9.733 ppbv

RT: 9.548 min Scan# 2921

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_1

ClientSampleId :

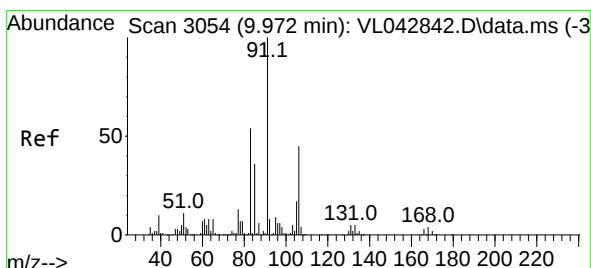
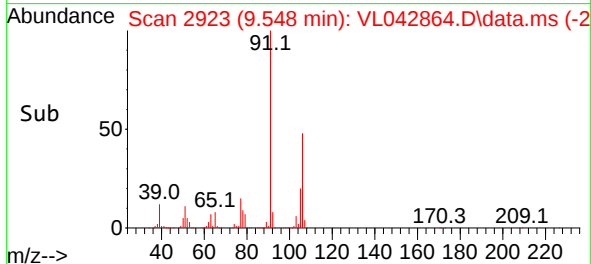
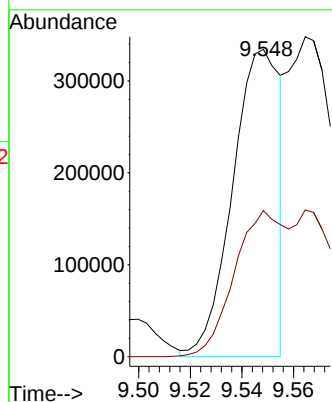
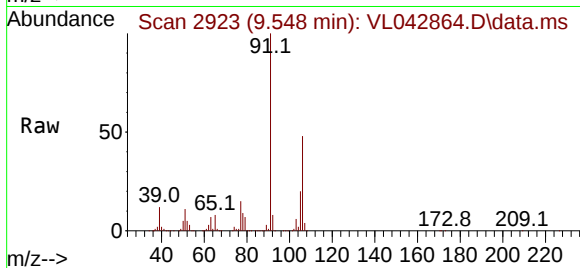
VSTDCCC010EC

Tgt Ion: 91 Resp: 426439

Ion Ratio Lower Upper

91 100

106 0.0 0.0 0.0



#60

o-Xylene

Concen: 9.847 ppbv

RT: 9.979 min Scan# 3056

Delta R.T. 0.006 min

Lab File: VL042864.D

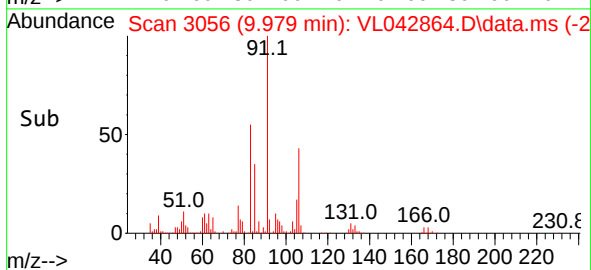
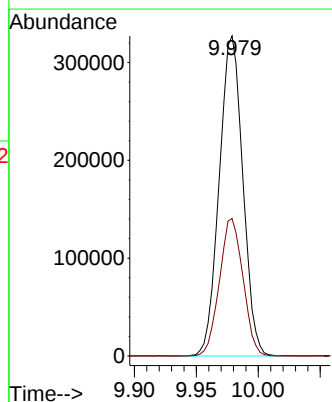
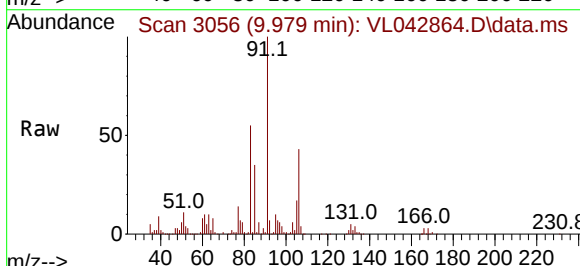
Acq: 13 Aug 2025 22:39

Tgt Ion: 91 Resp: 433977

Ion Ratio Lower Upper

91 100

106 42.8 21.8 65.4

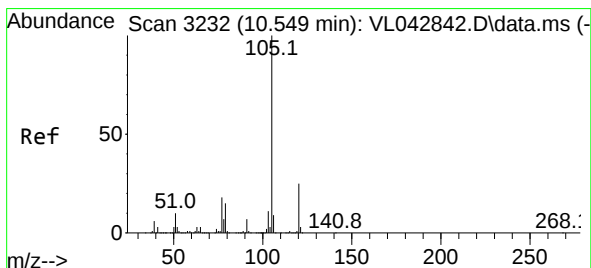
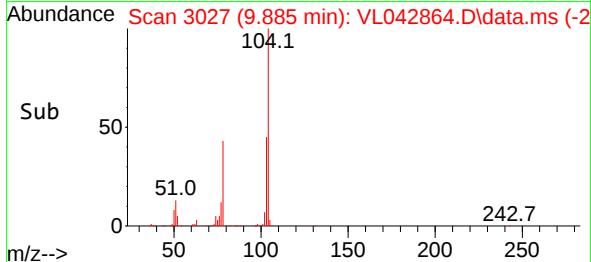
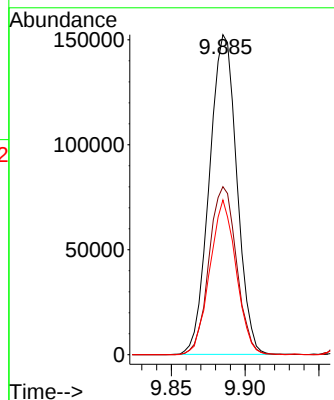
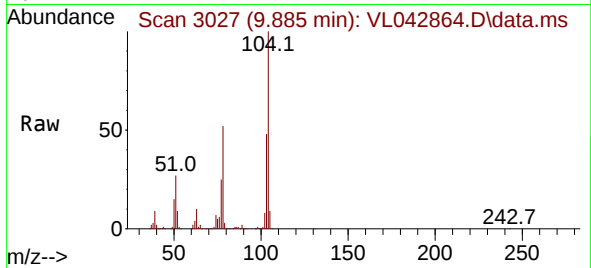




#61  
Styrene  
Concen: 9.558 ppbv  
RT: 9.885 min Scan# 3025  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

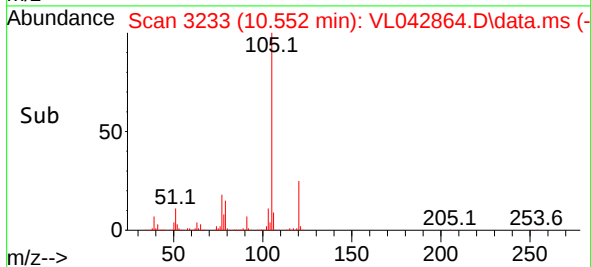
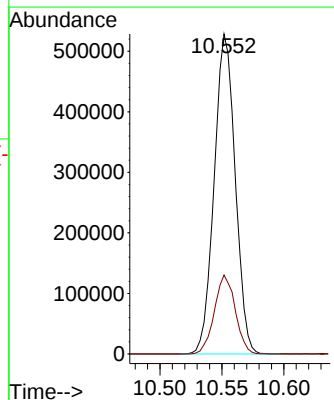
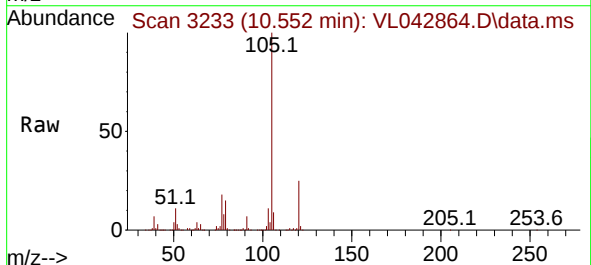
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

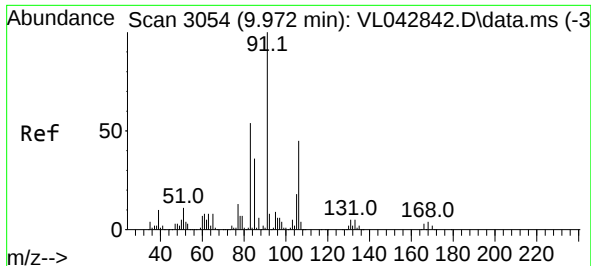
Tgt Ion:104 Resp: 197351  
Ion Ratio Lower Upper  
104 100  
78 52.7 40.6 61.0  
103 46.5 37.7 56.5



#62  
Isopropylbenzene  
Concen: 9.715 ppbv  
RT: 10.552 min Scan# 3233  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion:105 Resp: 625694  
Ion Ratio Lower Upper  
105 100  
120 24.4 20.6 30.8

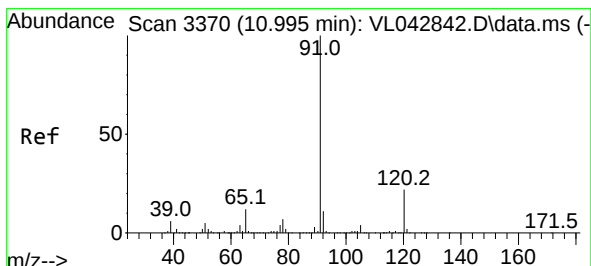
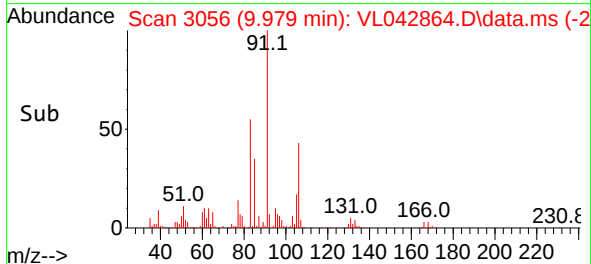
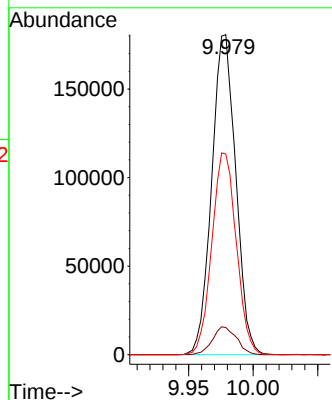
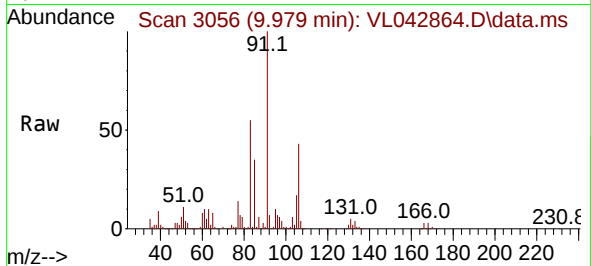




#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.684 ppbv  
RT: 9.979 min Scan# 3054  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

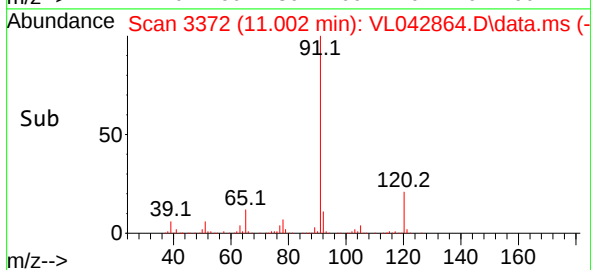
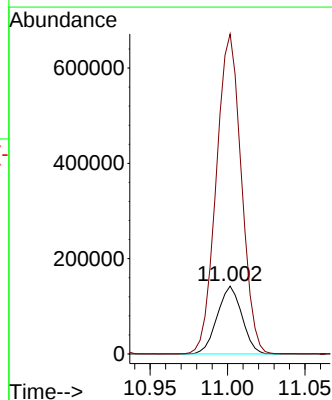
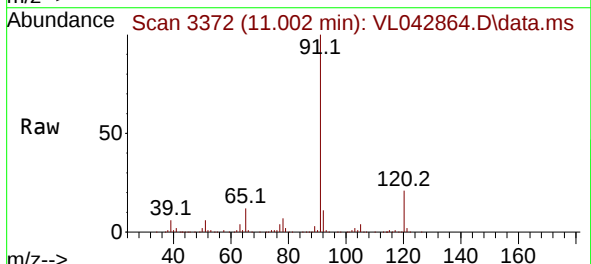
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

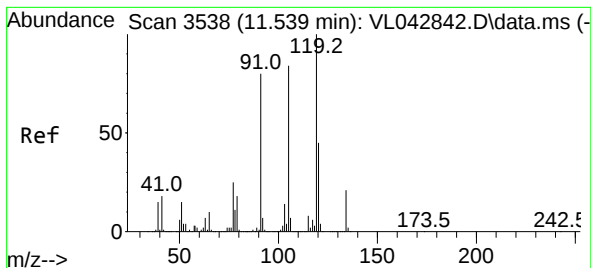
Tgt Ion: 83 Resp: 234700  
Ion Ratio Lower Upper  
83 100  
131 8.7 4.8 14.3  
85 64.0 32.3 96.8



#64  
n-propylbenzene  
Concen: 9.578 ppbv  
RT: 11.002 min Scan# 3372  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 120 Resp: 157395  
Ion Ratio Lower Upper  
120 100  
91 481.5 375.8 563.6

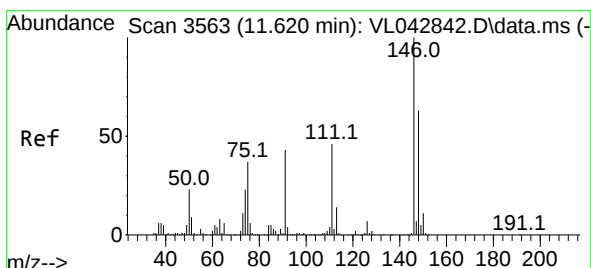
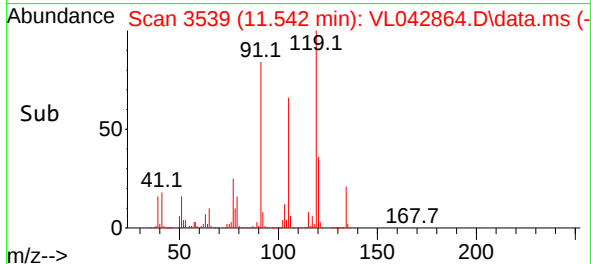
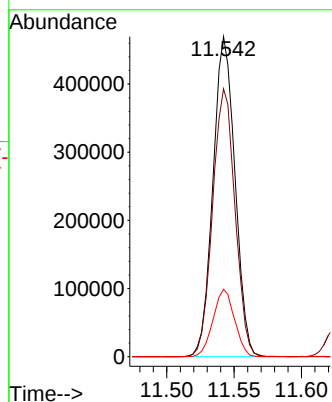
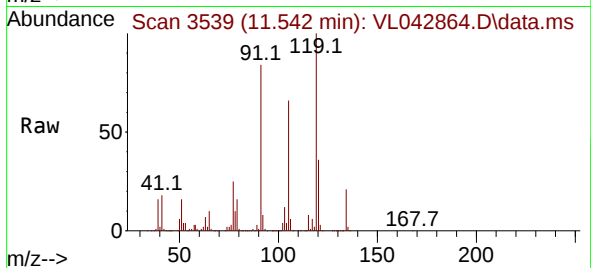




#65  
tert-Butylbenzene  
Concen: 9.388 ppbv  
RT: 11.542 min Scan# 3539  
Delta R.T. 0.003 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

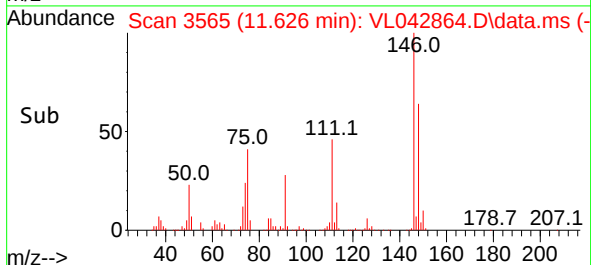
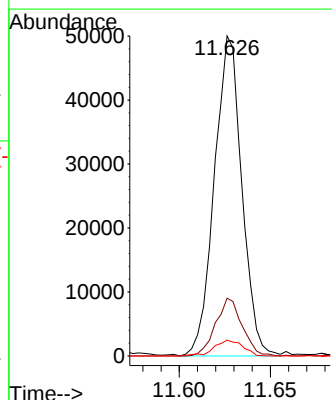
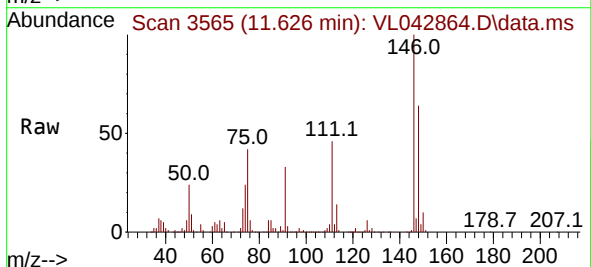
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

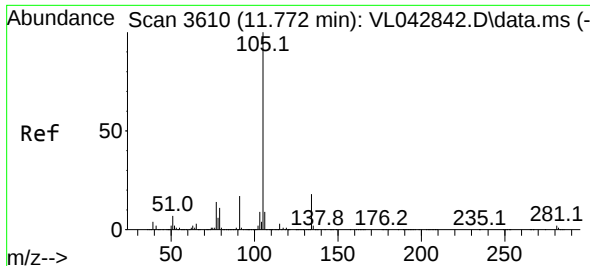
Tgt Ion:119 Resp: 533032  
Ion Ratio Lower Upper  
119 100  
91 85.2 63.9 95.9  
134 20.5 17.0 25.4



#66  
Benzyl Chloride  
Concen: 7.283 ppbv  
RT: 11.626 min Scan# 3565  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion: 91 Resp: 52495  
Ion Ratio Lower Upper  
91 100  
126 17.4 14.2 21.4  
128 5.2 5.0 7.6

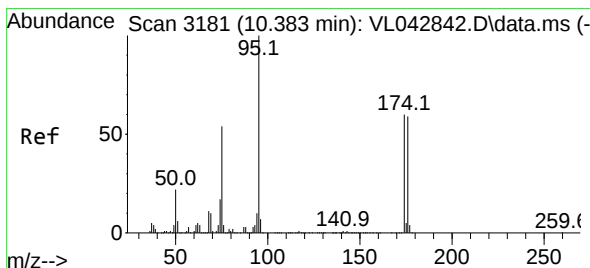
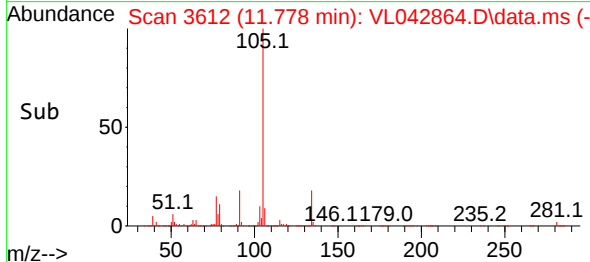
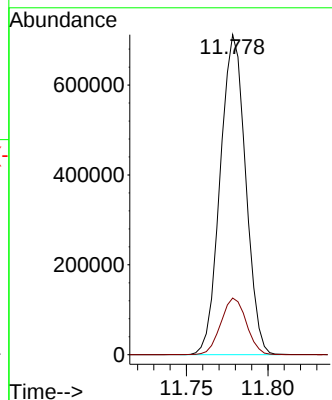
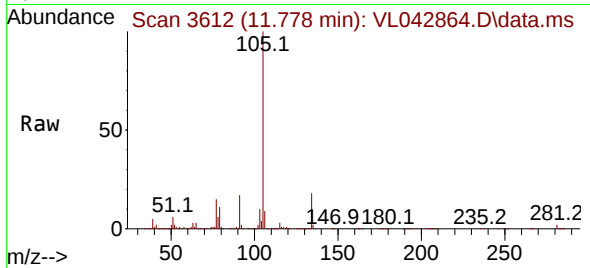




#67  
 sec-Butylbenzene  
 Concen: 9.683 ppbv  
 RT: 11.778 min Scan# 3610  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

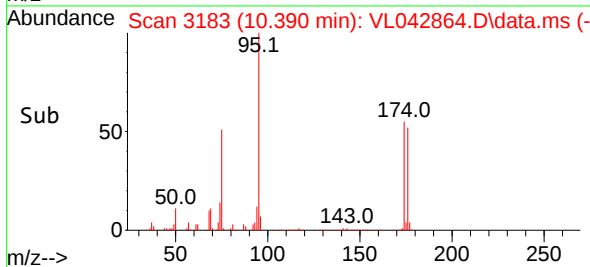
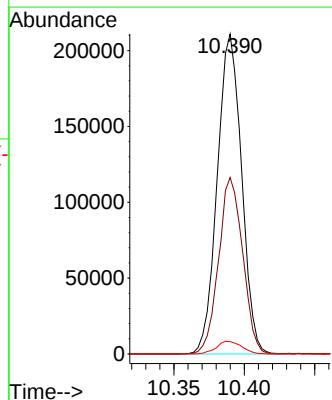
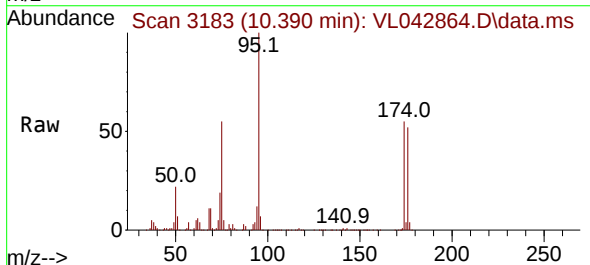
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

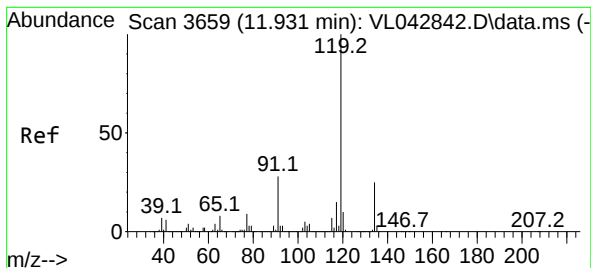
Tgt Ion:105 Resp: 771711  
 Ion Ratio Lower Upper  
 105 100  
 134 17.8 14.9 22.3



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.651 ppbv  
 RT: 10.390 min Scan# 3183  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Tgt Ion: 95 Resp: 253011  
 Ion Ratio Lower Upper  
 95 100  
 174 54.7 48.4 72.6  
 175 4.1 3.8 5.8





#69

p-Isopropyltoluene

Concen: 9.255 ppbv

RT: 11.937 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

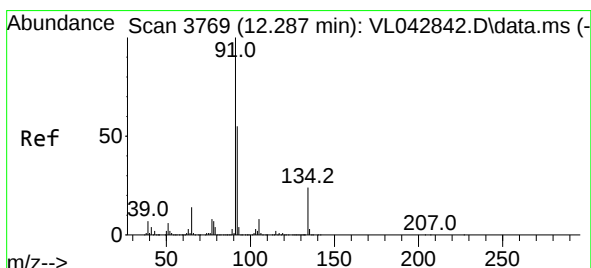
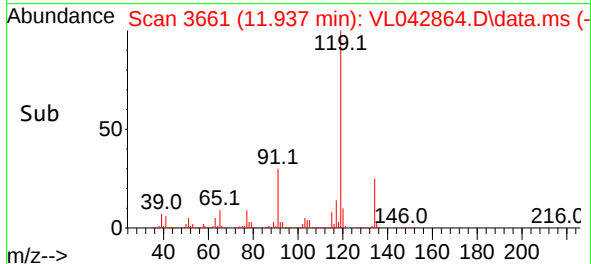
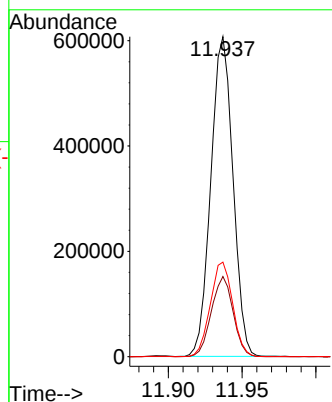
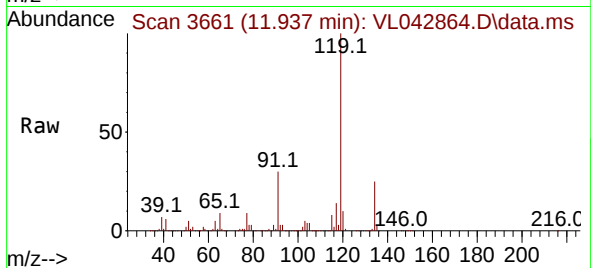
Tgt Ion:119 Resp: 633258

Ion Ratio Lower Upper

119 100

134 24.7 20.6 30.8

91 30.0 22.6 34.0



#70

n-Butylbenzene

Concen: 9.745 ppbv

RT: 12.293 min Scan# 3771

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

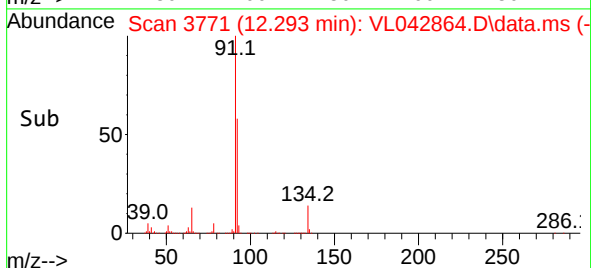
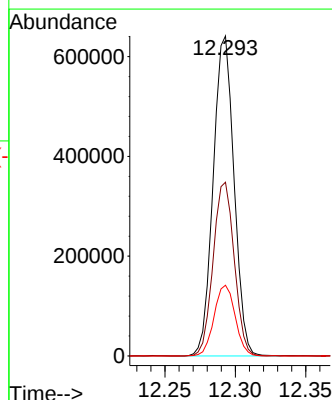
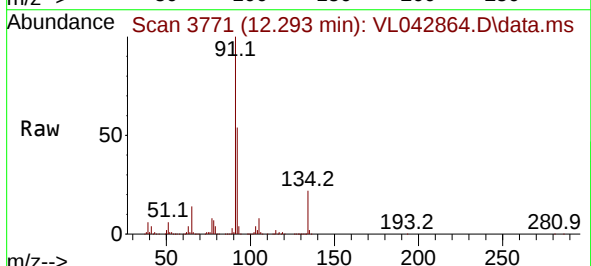
Tgt Ion: 91 Resp: 661296

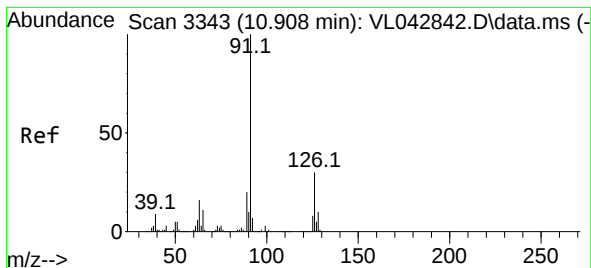
Ion Ratio Lower Upper

91 100

92 55.0 44.6 66.8

134 22.4 19.0 28.4

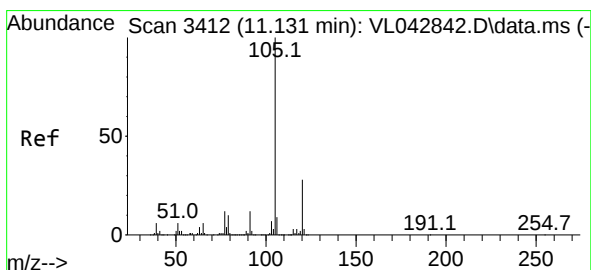
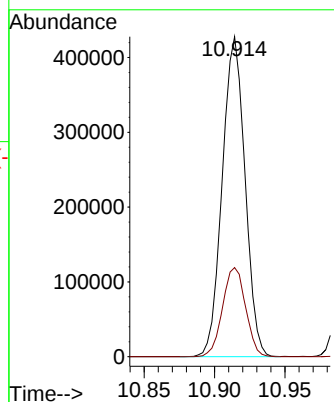
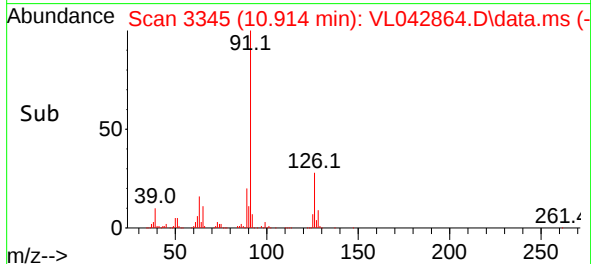
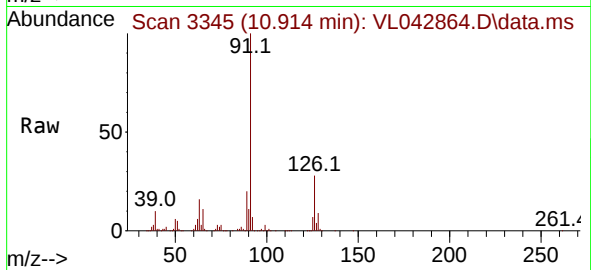




#71  
2-Chlorotoluene  
Concen: 9.624 ppbv  
RT: 10.914 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

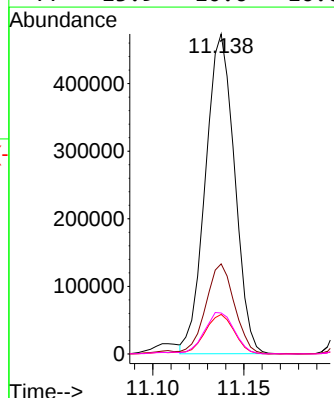
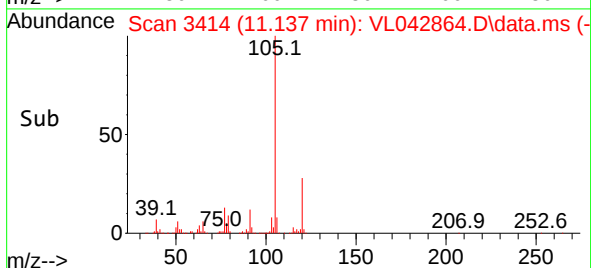
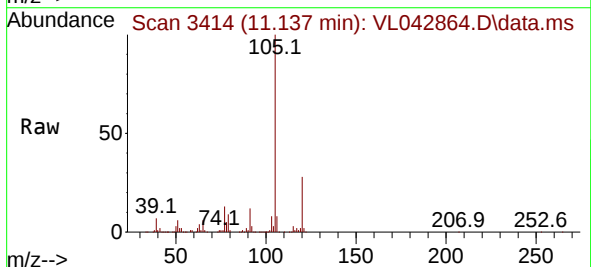
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

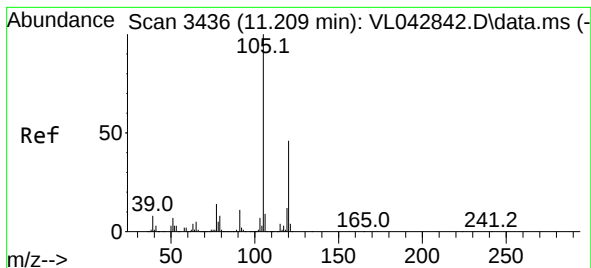
Tgt Ion: 91 Resp: 481312  
Ion Ratio Lower Upper  
91 100  
126 28.1 12.0 47.8



#72  
4-Ethyltoluene  
Concen: 9.815 ppbv  
RT: 11.137 min Scan# 3414  
Delta R.T. 0.006 min  
Lab File: VL042864.D  
Acq: 13 Aug 2025 22:39

Tgt Ion:105 Resp: 524389  
Ion Ratio Lower Upper  
105 100  
120 28.7 23.4 35.2  
91 13.0 9.8 14.6  
77 13.9 10.6 16.0





#73

1,3,5-Trimethylbenzene

Concen: 9.563 ppbv

RT: 11.215 min Scan# 3436

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_1

ClientSampleId :

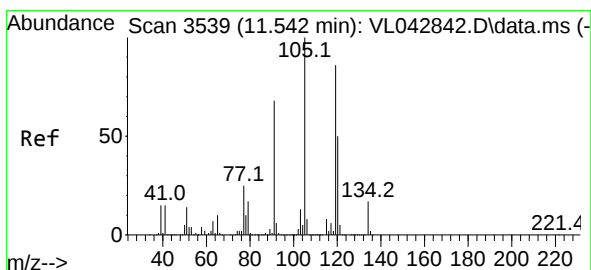
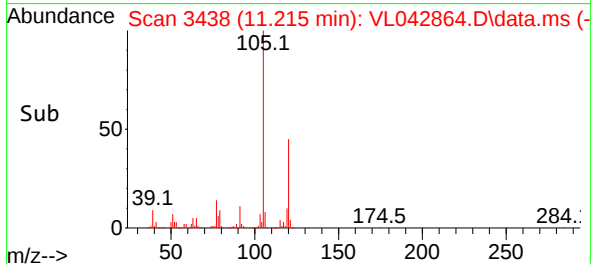
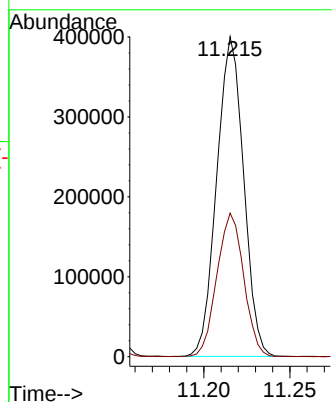
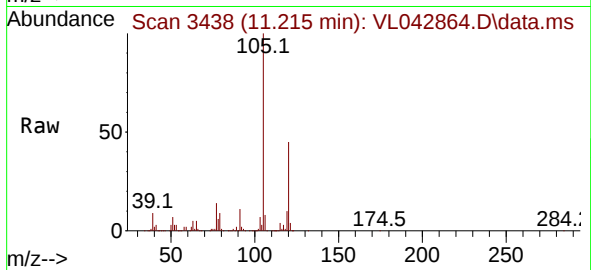
VSTDCCC010EC

Tgt Ion:105 Resp: 434476

Ion Ratio Lower Upper

105 100

120 44.8 36.6 54.8



#74

1,2,4-Trimethylbenzene

Concen: 9.671 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Tgt Ion:105 Resp: 482283

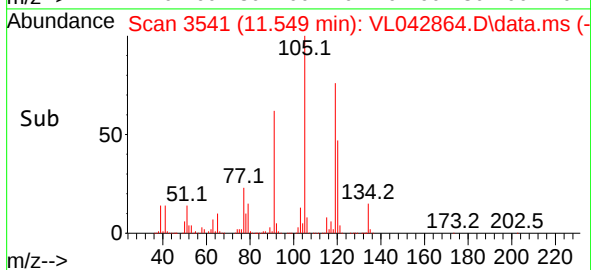
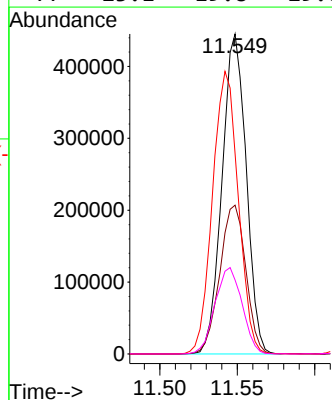
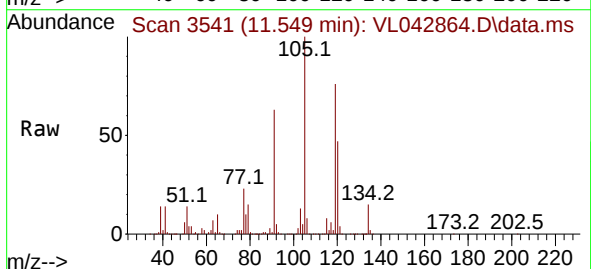
Ion Ratio Lower Upper

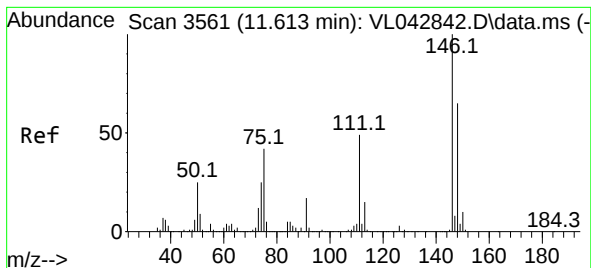
105 100

120 46.5 39.8 59.6

91 62.6 54.2 81.4

77 23.1 19.8 29.6





#75

1,3-Dichlorobenzene

Concen: 9.554 ppbv

RT: 11.620 min Scan# 3563

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

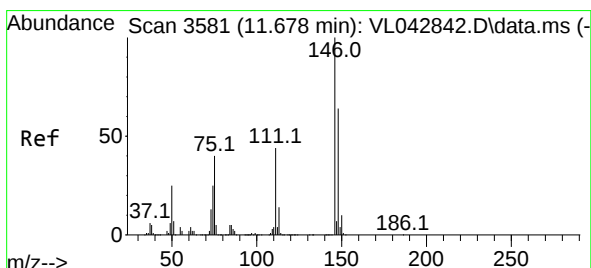
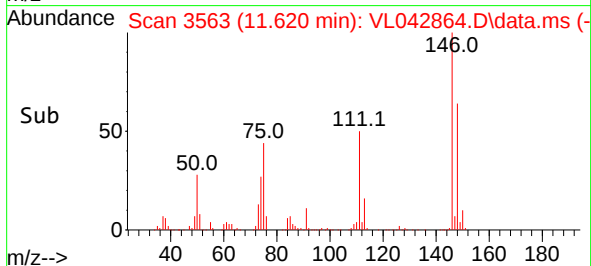
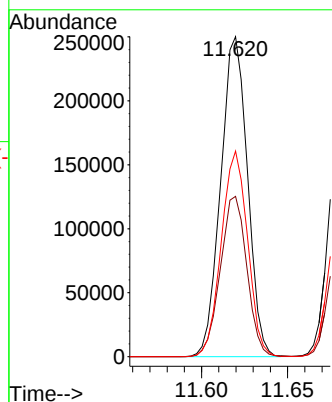
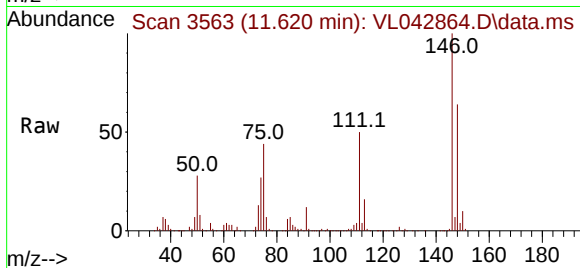
Tgt Ion:146 Resp: 270838

Ion Ratio Lower Upper

146 100

111 49.6 23.9 71.7

148 63.0 31.4 94.0



#76

1,4-Dichlorobenzene

Concen: 9.339 ppbv

RT: 11.681 min Scan# 3582

Delta R.T. 0.003 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

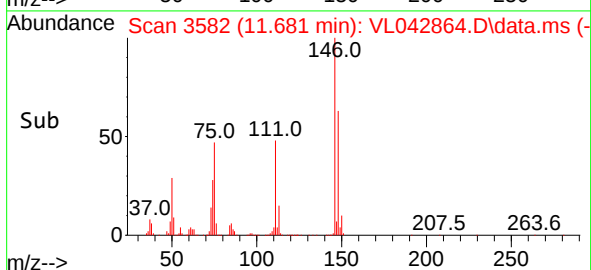
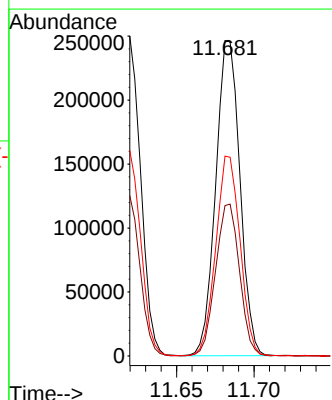
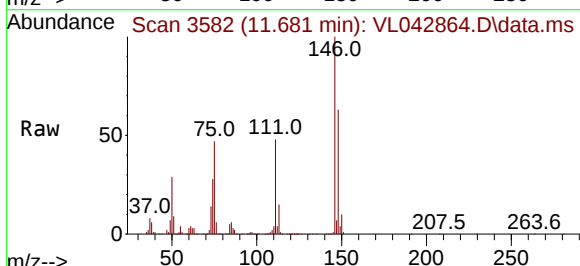
Tgt Ion:146 Resp: 267746

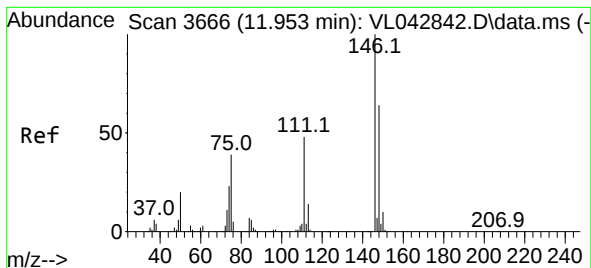
Ion Ratio Lower Upper

146 100

111 47.8 22.7 68.1

148 63.7 31.8 95.3





#77

1,2-Dichlorobenzene

Concen: 9.288 ppbv

RT: 11.960 min Scan# 3

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

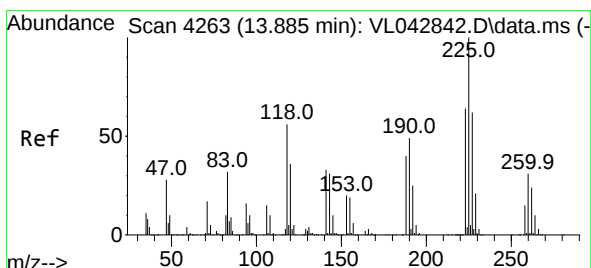
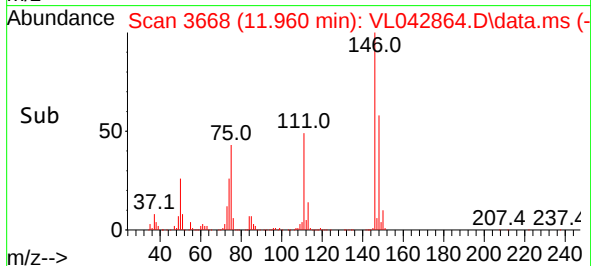
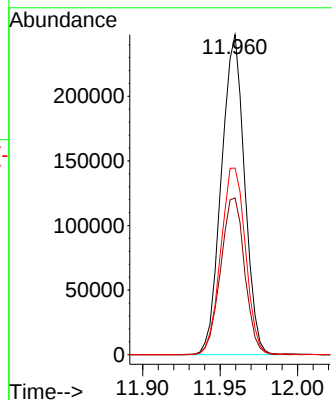
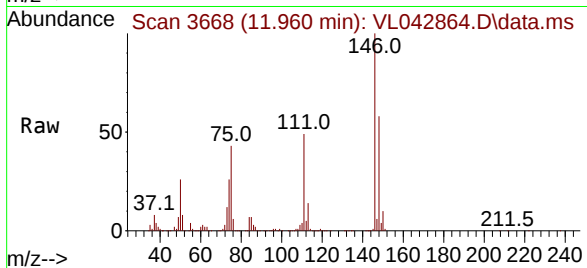
Tgt Ion:146 Resp: 257825

Ion Ratio Lower Upper

146 100

111 51.0 24.6 74.0

148 62.4 32.0 96.0



#78

Hexachloro-1,3-Butadiene

Concen: 7.648 ppbv

RT: 13.889 min Scan# 4264

Delta R.T. 0.003 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

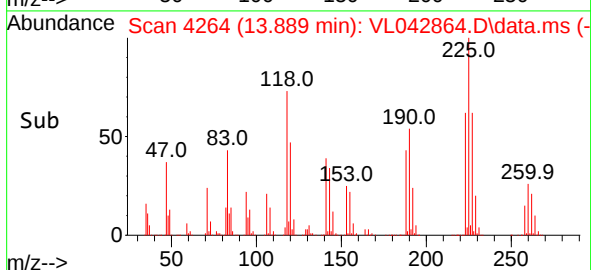
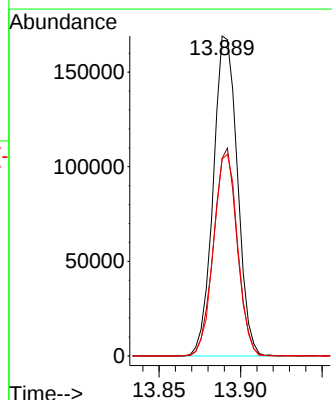
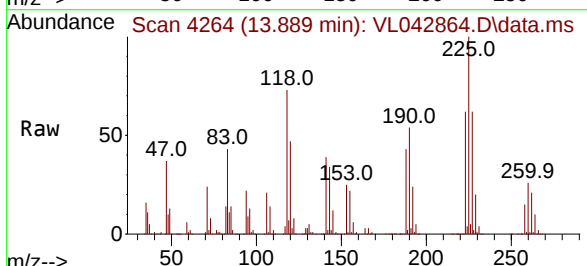
Tgt Ion:225 Resp: 174005

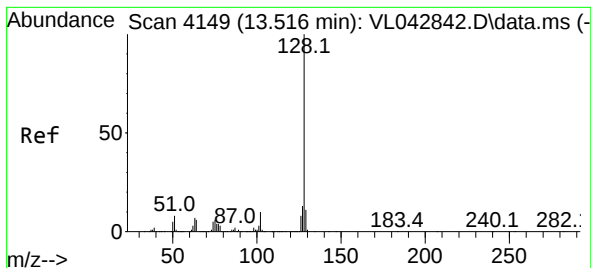
Ion Ratio Lower Upper

225 100

223 63.2 51.4 77.2

227 63.0 51.9 77.9





#79

Naphthalene

Concen: 9.482 ppbv

RT: 13.523 min Scan# 4149

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010EC

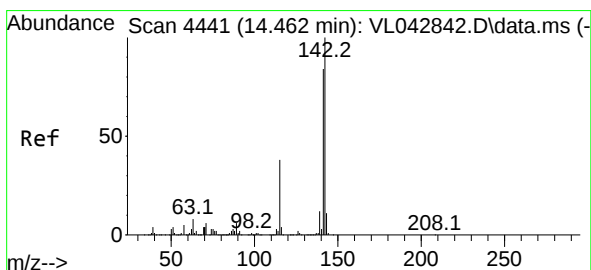
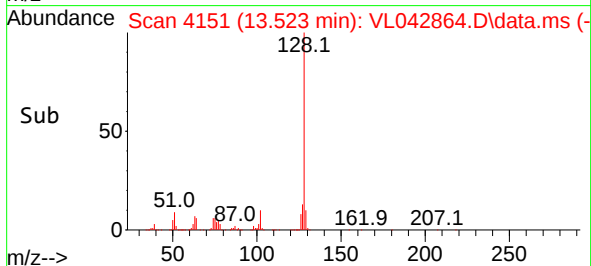
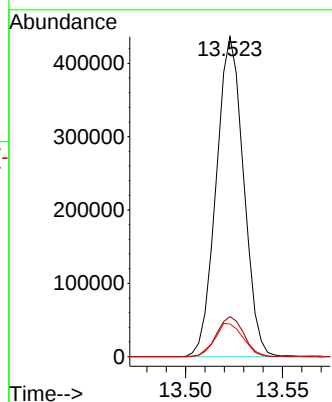
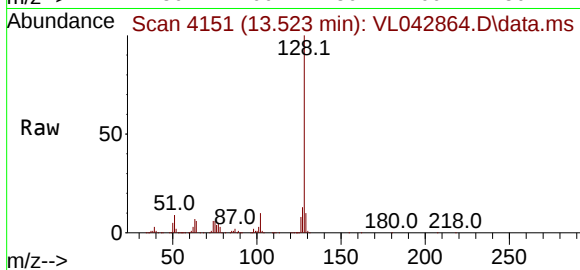
Tgt Ion:128 Resp: 428714

Ion Ratio Lower Upper

128 100

127 12.5 10.6 16.0

129 10.2 8.9 13.3



#80

Naphthalene,2-methyl-

Concen: 7.589 ppbv

RT: 14.468 min Scan# 4443

Delta R.T. 0.006 min

Lab File: VL042864.D

Acq: 13 Aug 2025 22:39

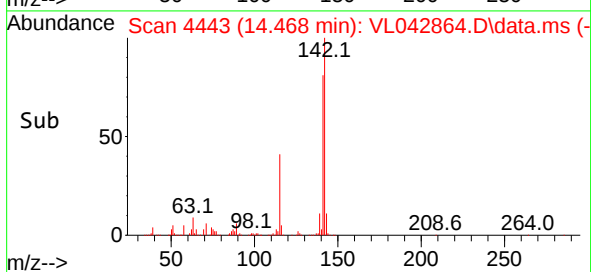
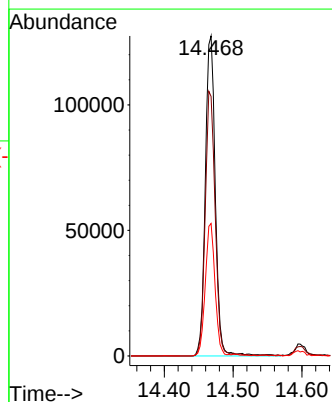
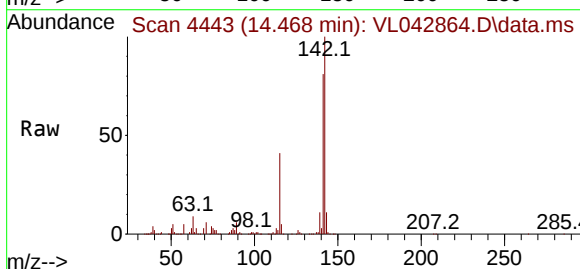
Tgt Ion:142 Resp: 128201

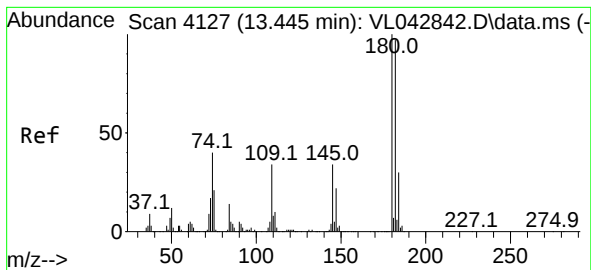
Ion Ratio Lower Upper

142 100

141 83.1 67.0 100.6

115 41.0 30.9 46.3





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.136 ppbv  
 RT: 13.452 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VL042864.D  
 Acq: 13 Aug 2025 22:39

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:180 Resp: 207593  
 Ion Ratio Lower Upper  
 180 100  
 182 94.7 76.9 115.3  
 184 29.4 24.5 36.7

