

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101625\  
 Data File : VL043124.D  
 Acq On : 16 Oct 2025 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Oct 17 01:11:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Oct 15 02:12:58 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 93351    | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 297102   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.885 | 117  | 261876   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 213533   | 10.490   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 104.900% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 143781 | 10.834 | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 135778 | 9.456  | ppbv   | 94     |
| 4) Chloromethane              | 1.538 | 50  | 49187  | 9.356  | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 48019  | 9.312  | ppbv   | 95     |
| 6) Bromomethane               | 1.670 | 94  | 28850  | 10.203 | ppbv   | 98     |
| 7) Chloroethane               | 1.709 | 64  | 19996  | 9.484  | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 113223 | 10.556 | ppbv   | 97     |
| 9) Propene                    | 1.486 | 41  | 51095  | 8.023  | ppbv   | 97     |
| 10) Heptane                   | 4.985 | 43  | 147845 | 8.064  | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 151086 | 11.639 | ppbv   | 97     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 114368 | 10.943 | ppbv   | 98     |
| 13) Ethanol                   | 1.725 | 45  | 19303  | 8.194  | ppbv   | 99     |
| 14) Bromoethene               | 1.784 | 108 | 40732  | 10.491 | ppbv   | 98     |
| 15) Acetone                   | 1.839 | 43  | 117476 | 9.337  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 56074  | 9.351  | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.042 | 59  | 180463 | 10.449 | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 49561  | 10.878 | ppbv   | 87     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 76214  | 9.725  | ppbv   | 99     |
| 20) Methylene Chloride        | 2.065 | 84  | 44171  | 8.881  | ppbv   | 90     |
| 21) Allyl Chloride            | 2.101 | 41  | 90912  | 9.805  | ppbv   | 93     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 57654  | 10.586 | ppbv   | 95     |
| 23) Vinyl Acetate             | 2.466 | 43  | 186324 | 10.109 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 111252 | 10.572 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.839 | 43  | 278882 | 8.938  | ppbv   | 99     |
| 26) Hexane                    | 2.832 | 57  | 130825 | 9.099  | ppbv   | 96     |
| 27) Carbon Disulfide          | 2.156 | 76  | 138756 | 10.533 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 69955  | 10.695 | ppbv   | 96     |
| 29) Chloroform                | 2.855 | 83  | 218827 | 10.504 | ppbv   | 99     |
| 30) Cyclohexane               | 3.861 | 84  | 112730 | 8.983  | ppbv   | 93     |
| 31) cis-1,2-Dichloroethene    | 2.725 | 61  | 140786 | 10.255 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 231957 | 10.692 | ppbv   | 99     |
| 34) 2-Butanone                | 2.560 | 43  | 183049 | 9.166  | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 234731 | 10.989 | ppbv   | 98     |
| 36) Benzene                   | 3.664 | 78  | 266849 | 9.536  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 175587 | 10.893 | ppbv   | 97     |
| 38) Trichloroethene           | 4.554 | 130 | 105427 | 9.021  | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 4.321 | 63  | 93327  | 9.123  | ppbv   | 94     |
| 40) 1,4-Dioxane               | 4.586 | 88  | 43974  | 9.606  | ppbv # | 88     |
| 41) Tetrahydrofuran           | 3.056 | 42  | 93405  | 8.362  | ppbv   | 93     |
| 42) Bromodichloromethane      | 4.496 | 83  | 238626 | 10.696 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.887 | 69  | 132764 | 9.342  | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 428858 | 9.084  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.422 | 75  | 143853 | 10.086 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101625\  
 Data File : VL043124.D  
 Acq On : 16 Oct 2025 09:14  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

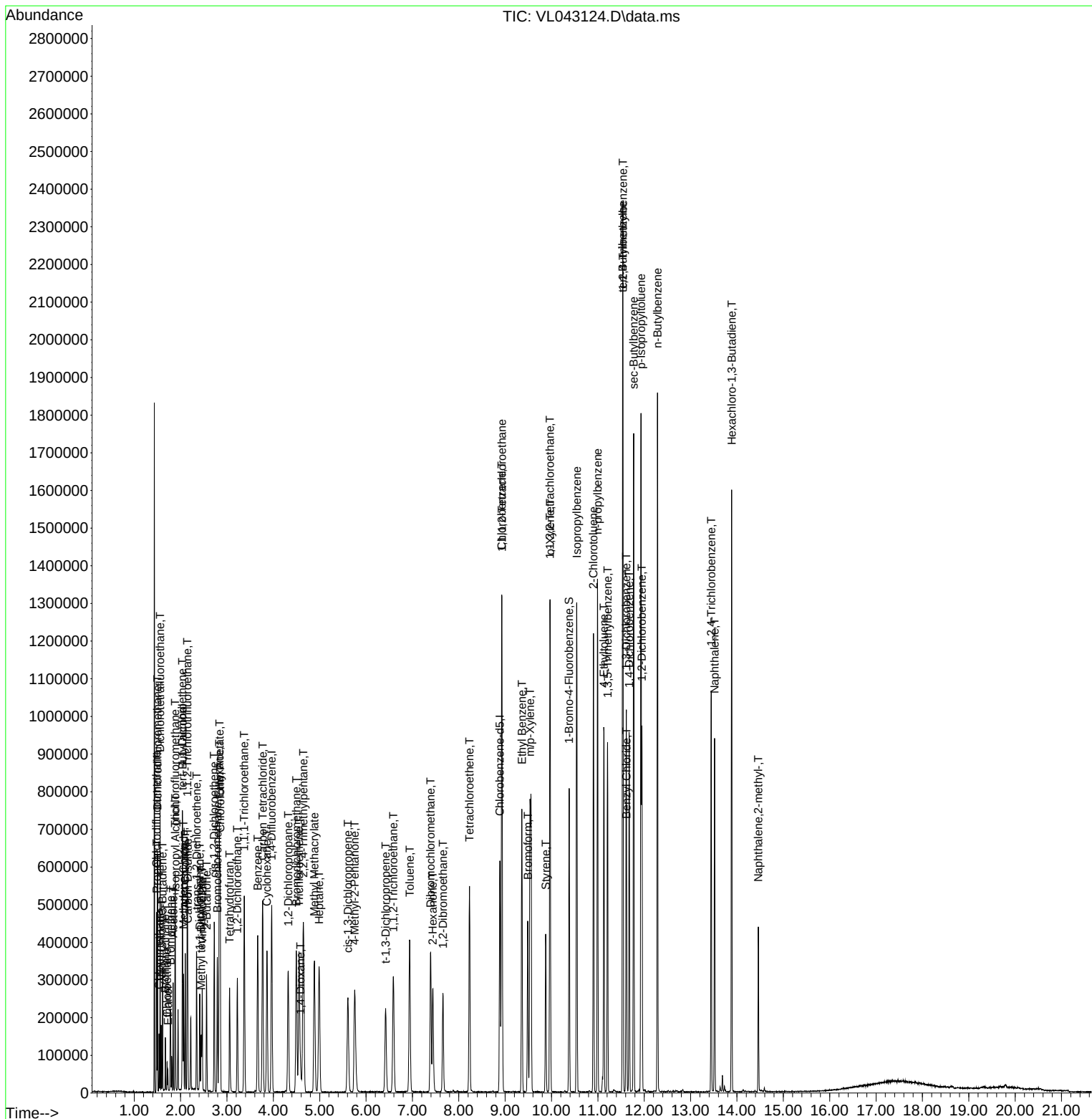
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

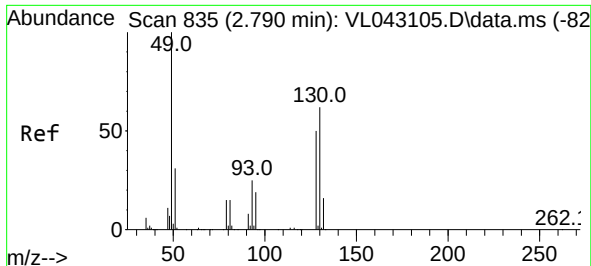
Quant Time: Oct 17 01:11:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Oct 15 02:12:58 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 162496   | 9.537  | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 6.587  | 97   | 105447   | 9.545  | ppbv   | 97       |
| 48) Dibromochloromethane      | 7.393  | 129  | 191024   | 10.342 | ppbv   | 98       |
| 49) Bromoform                 | 9.490  | 173  | 152870   | 10.182 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.755  | 43   | 240313   | 8.719  | ppbv   | 99       |
| 51) 2-Hexanone                | 7.438  | 43   | 185904   | 8.993  | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.231  | 164  | 91268    | 9.045  | ppbv   | 94       |
| 53) Toluene                   | 6.943  | 91   | 303467   | 9.138  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.658  | 107  | 166451   | 9.619  | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 170476   | 10.327 | ppbv   | 98       |
| 57) Chlorobenzene             | 8.927  | 112  | 225893   | 9.221  | ppbv   | 96       |
| 58) Ethyl Benzene             | 9.361  | 91   | 434593   | 9.670  | ppbv   | 99       |
| 59) m/p-Xylene                | 9.539  | 91   | 352451   | 9.832  | ppbv # | 38       |
| 60) o-Xylene                  | 9.969  | 91   | 345330   | 9.754  | ppbv   | 98       |
| 61) Styrene                   | 9.875  | 104  | 149587   | 9.359  | ppbv   | 97       |
| 62) Isopropylbenzene          | 10.545 | 105  | 619283   | 9.680  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.966  | 83   | 215827   | 9.104  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.992 | 120  | 155421   | 9.176  | ppbv   | 88       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 529735   | 9.377  | ppbv   | 95       |
| 66) Benzyl Chloride           | 11.620 | 91   | 56872    | 9.045  | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 759806   | 9.476  | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.930 | 119  | 641630   | 9.417  | ppbv   | 97       |
| 70) n-Butylbenzene            | 12.286 | 91   | 666160   | 9.922  | ppbv   | 98       |
| 71) 2-Chlorotoluene           | 10.904 | 91   | 480779   | 9.853  | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 423270   | 9.723  | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 352795   | 9.826  | ppbv   | 92       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 383239   | 9.539  | ppbv   | 91       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 220064   | 9.444  | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 221416   | 9.423  | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 208785   | 9.262  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 151849   | 8.700  | ppbv   | 100      |
| 79) Naphthalene               | 13.516 | 128  | 426155   | 10.148 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 14.461 | 142  | 121228   | 11.080 | ppbv   | 97       |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 170691   | 9.793  | ppbv   | 99       |

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

Quant Time: Oct 17 01:11:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101425AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Wed Oct 15 02:12:58 2025  
Response via : Initial Calibration

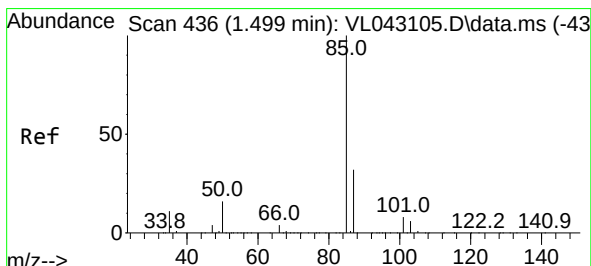
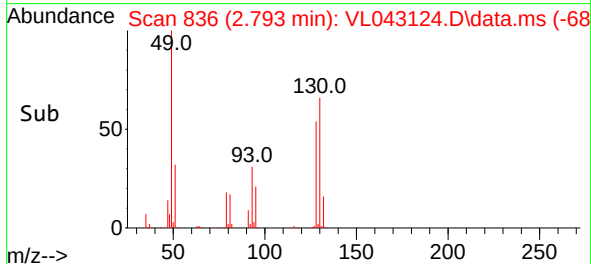
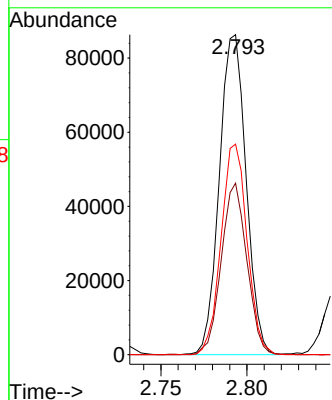
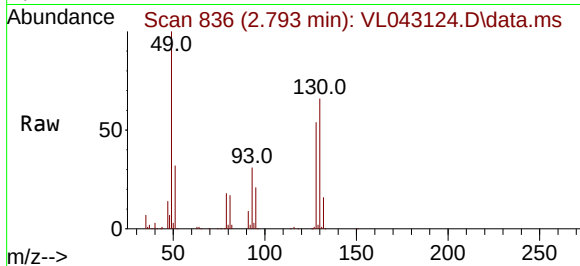




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.793 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

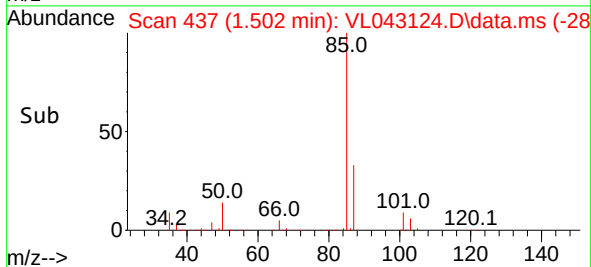
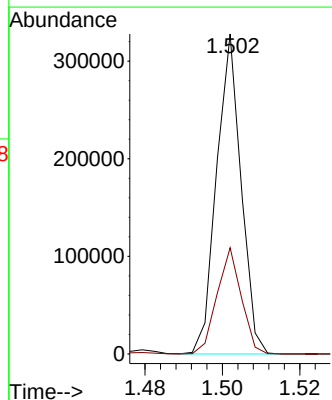
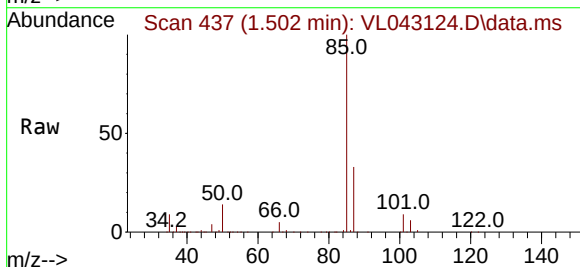
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

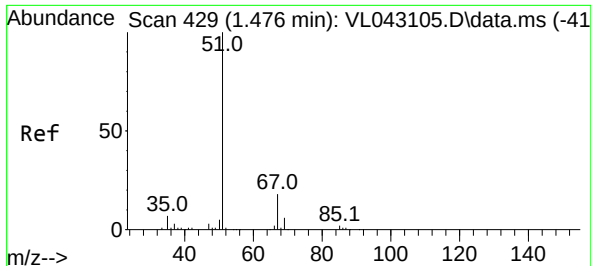
Tgt Ion: 49 Resp: 93351  
Ion Ratio Lower Upper  
49 100  
128 51.4 24.4 73.4  
130 63.9 31.0 93.0



#2  
Dichlorodifluoromethane  
Concen: 10.834 ppbv  
RT: 1.502 min Scan# 437  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 85 Resp: 143781  
Ion Ratio Lower Upper  
85 100  
87 33.2 25.3 37.9

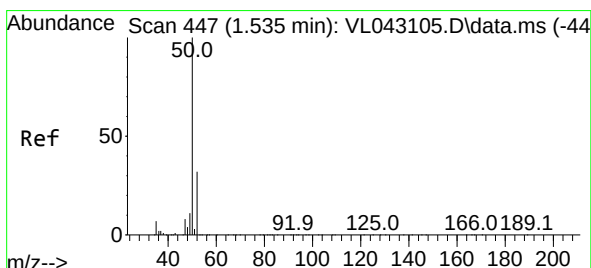
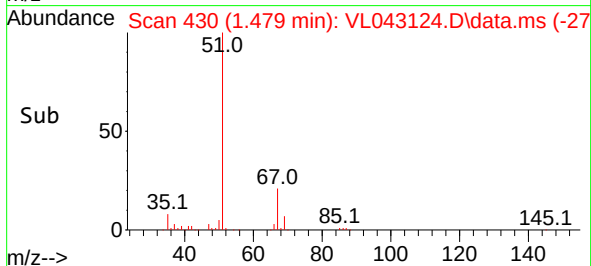
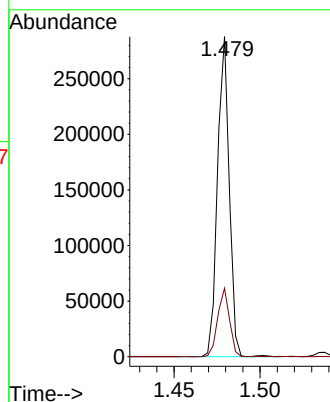
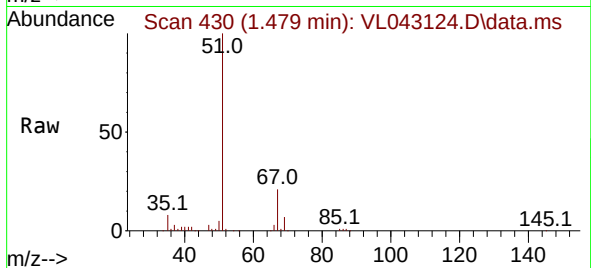




#3  
Chlorodifluoromethane  
Concen: 9.456 ppbv  
RT: 1.479 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

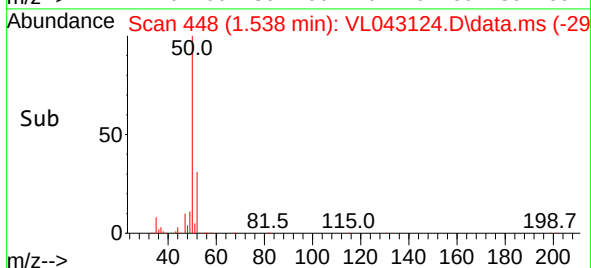
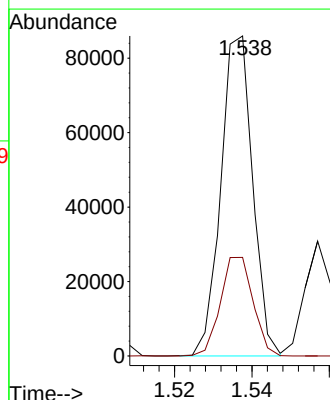
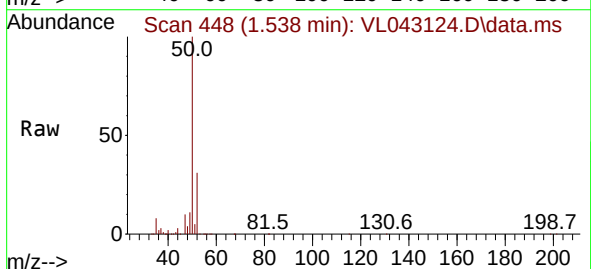
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

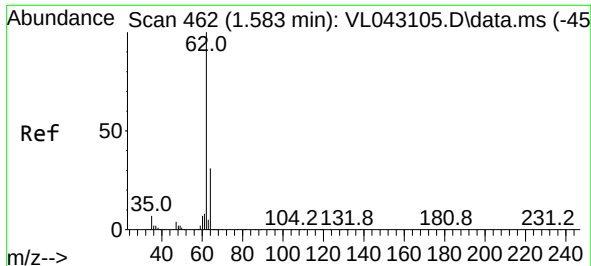
Tgt Ion: 51 Resp: 135778  
Ion Ratio Lower Upper  
51 100  
67 21.6 15.1 22.7



#4  
Chloromethane  
Concen: 9.356 ppbv  
RT: 1.538 min Scan# 448  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 50 Resp: 49187  
Ion Ratio Lower Upper  
50 100  
52 30.8 25.2 37.8

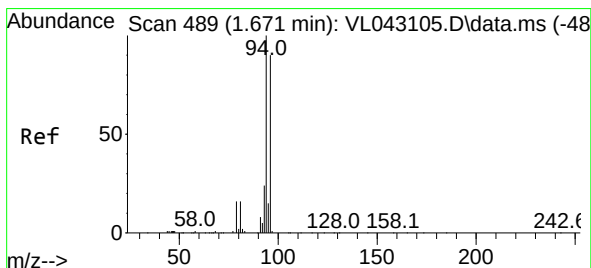
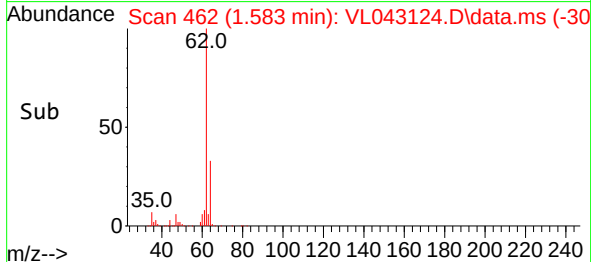
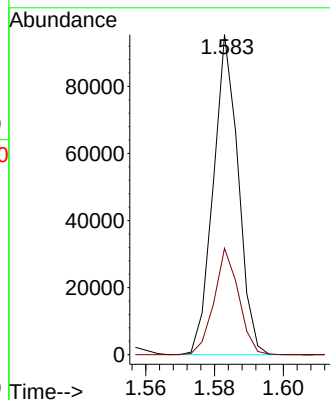
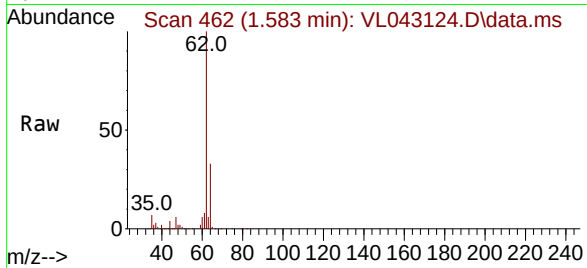




#5  
 Vinyl Chloride  
 Concen: 9.312 ppbv  
 RT: 1.583 min Scan# 462  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

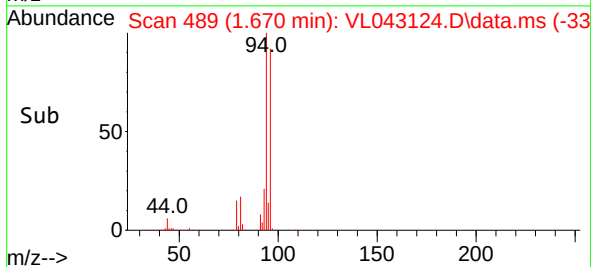
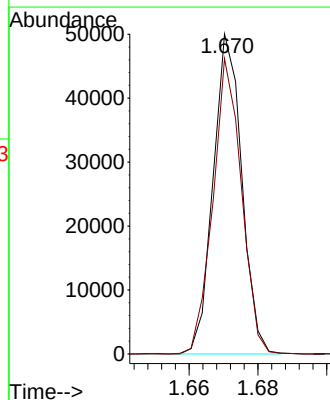
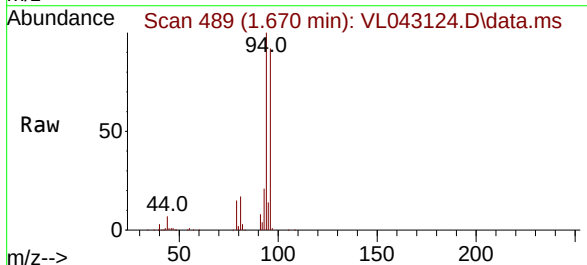
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

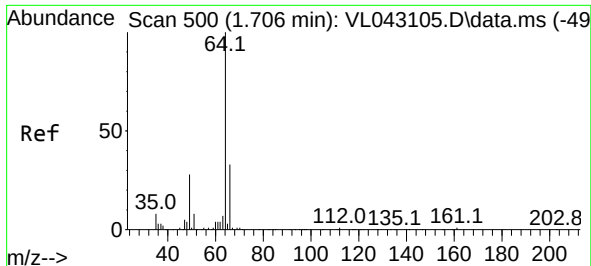
Tgt Ion: 62 Resp: 48019  
 Ion Ratio Lower Upper  
 62 100  
 64 33.2 24.6 36.8



#6  
 Bromomethane  
 Concen: 10.203 ppbv  
 RT: 1.670 min Scan# 489  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Tgt Ion: 94 Resp: 28850  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 72.2 108.4

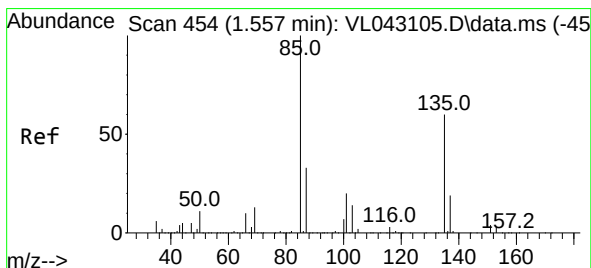
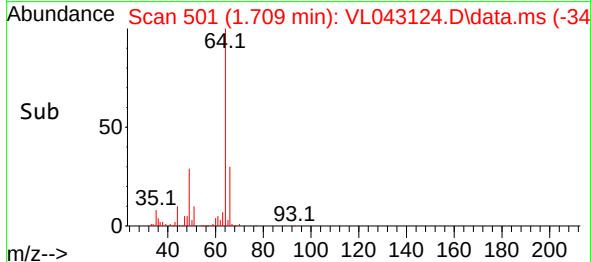
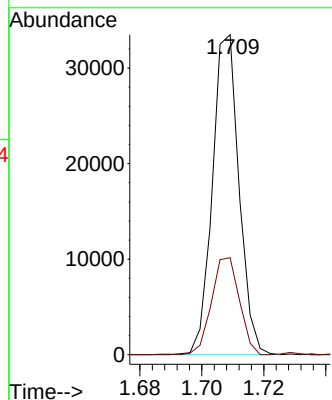
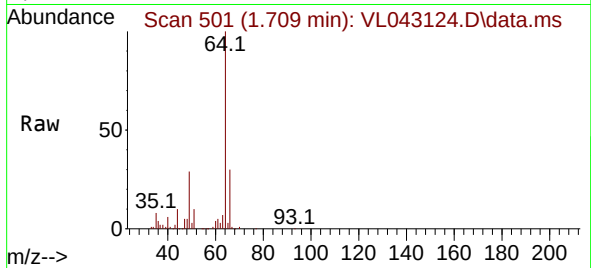




#7  
Chloroethane  
Concen: 9.484 ppbv  
RT: 1.709 min Scan# 500  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

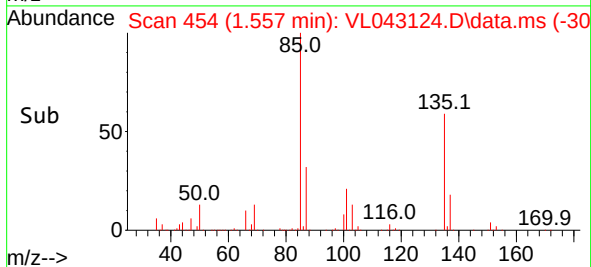
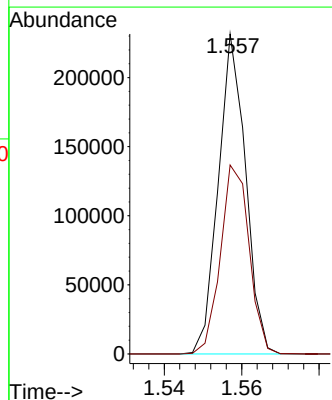
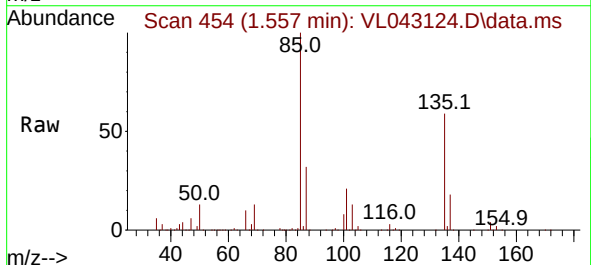
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

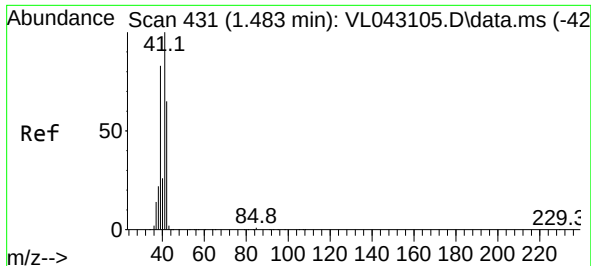
Tgt Ion: 64 Resp: 19996  
Ion Ratio Lower Upper  
64 100  
66 30.3 26.0 39.0



#8  
Dichlorotetrafluoroethane  
Concen: 10.556 ppbv  
RT: 1.557 min Scan# 454  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 85 Resp: 113223  
Ion Ratio Lower Upper  
85 100  
135 62.2 48.2 72.4





#9

Propene

Concen: 8.023 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

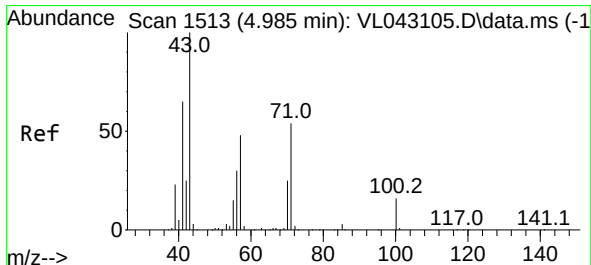
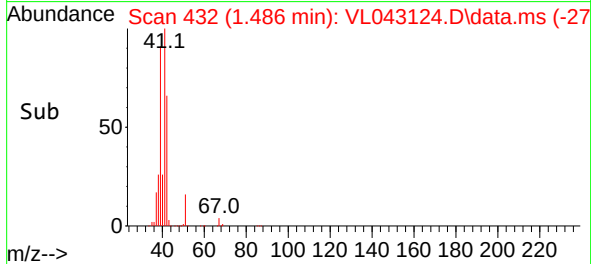
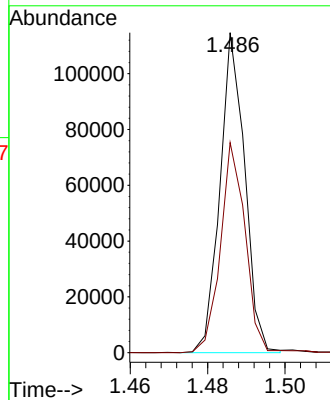
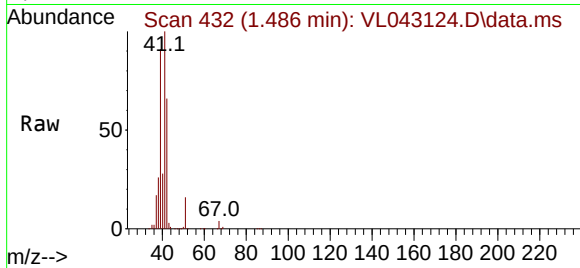
VSTDCCC010

Tgt Ion: 41 Resp: 51095

Ion Ratio Lower Upper

41 100

42 66.4 55.1 82.7



#10

Heptane

Concen: 8.064 ppbv

RT: 4.985 min Scan# 1513

Delta R.T. -0.000 min

Lab File: VL043124.D

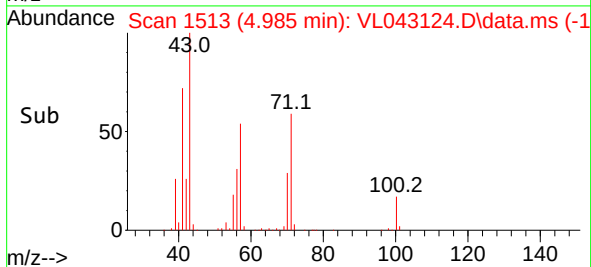
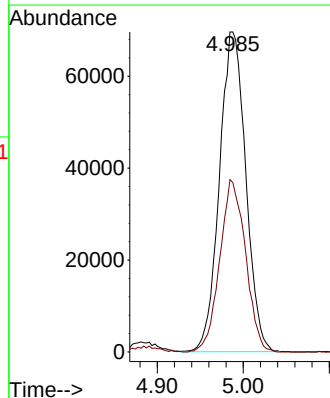
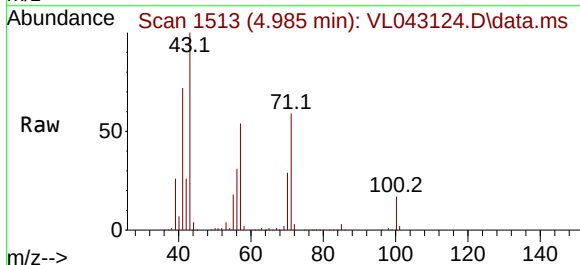
Acq: 16 Oct 2025 09:14

Tgt Ion: 43 Resp: 147845

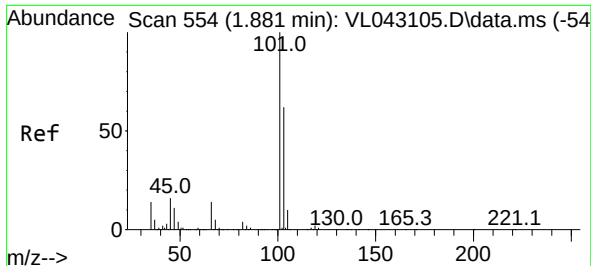
Ion Ratio Lower Upper

43 100

57 52.7 40.8 61.2



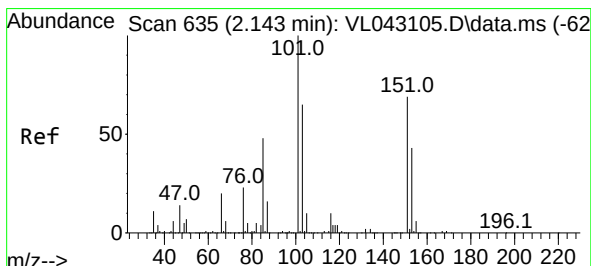
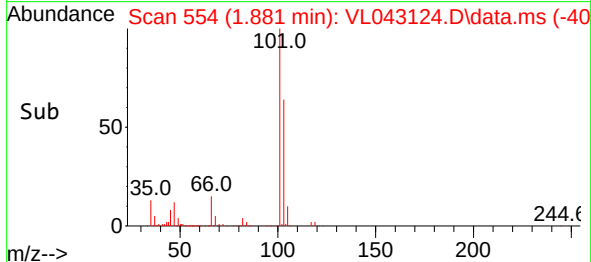
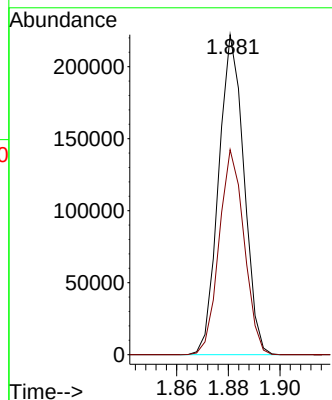
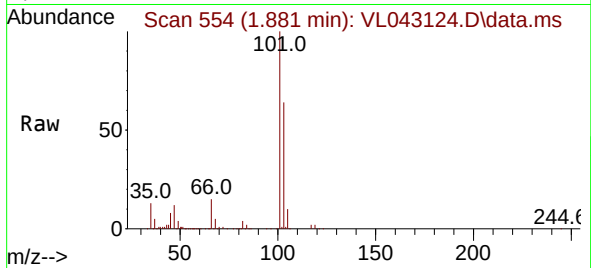




#11  
 Trichlorofluoromethane  
 Concen: 11.639 ppbv  
 RT: 1.881 min Scan# 511  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

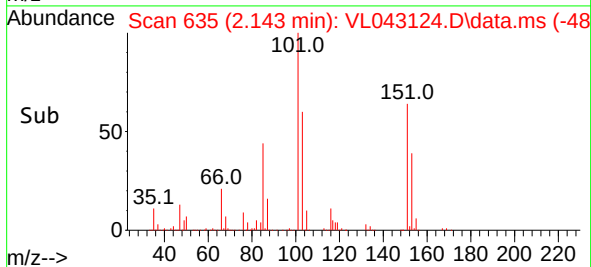
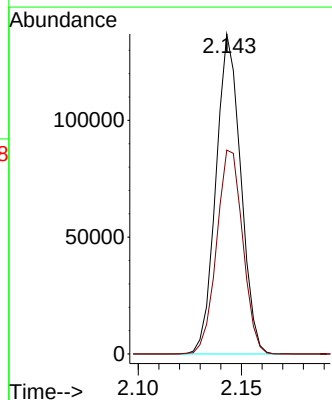
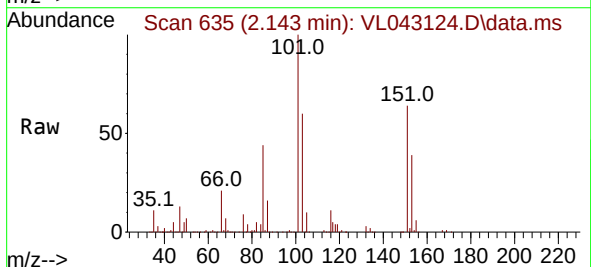
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

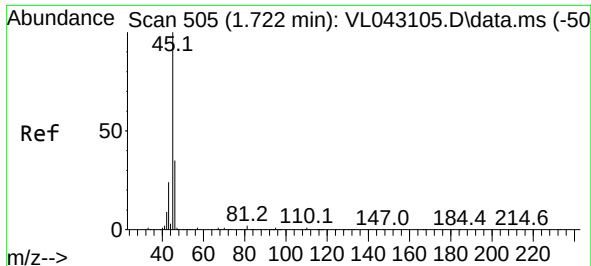
Tgt Ion:101 Resp: 151086  
 Ion Ratio Lower Upper  
 101 100  
 103 64.1 49.3 73.9



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.943 ppbv  
 RT: 2.143 min Scan# 635  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Tgt Ion:101 Resp: 114368  
 Ion Ratio Lower Upper  
 101 100  
 151 67.1 54.7 82.1

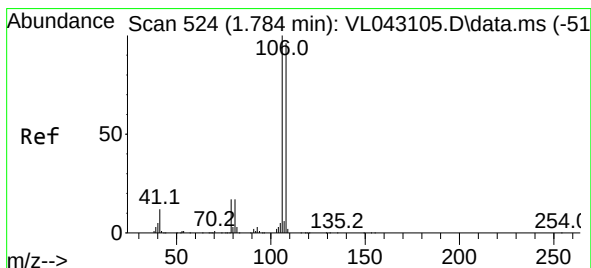
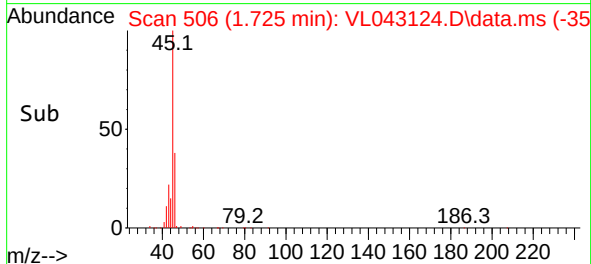
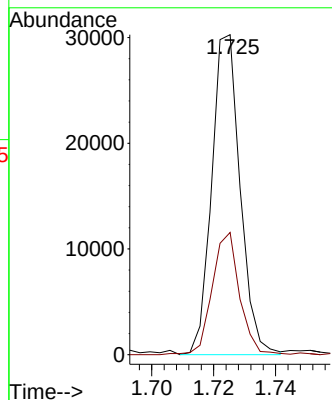
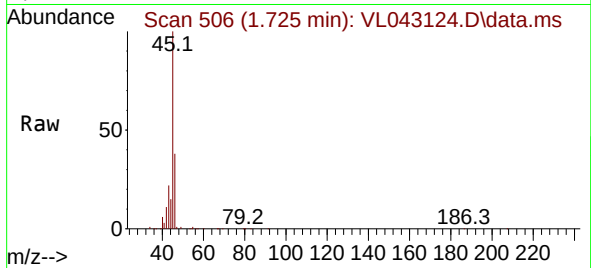




#13  
Ethanol  
Concen: 8.194 ppbv  
RT: 1.725 min Scan# 505  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

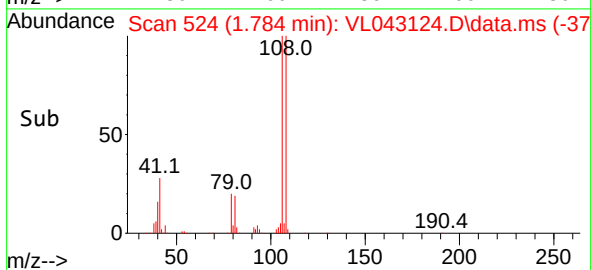
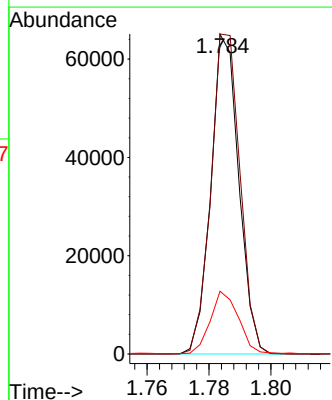
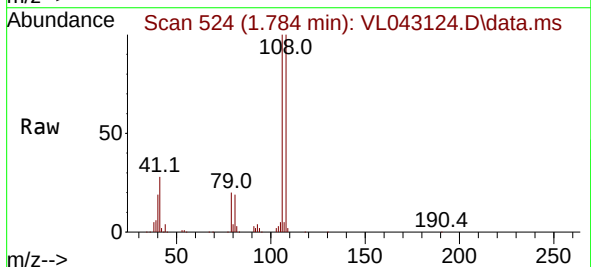
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

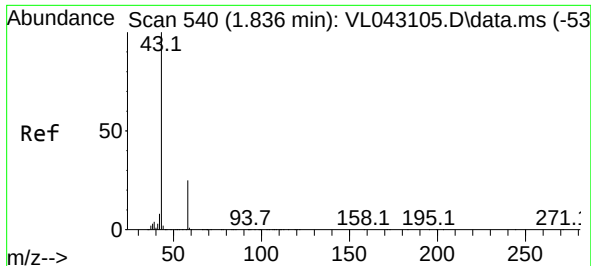
Tgt Ion: 45 Resp: 19303  
Ion Ratio Lower Upper  
45 100  
46 37.3 14.7 58.9



#14  
Bromoethene  
Concen: 10.491 ppbv  
RT: 1.784 min Scan# 524  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 108 Resp: 40732  
Ion Ratio Lower Upper  
108 100  
106 104.2 84.4 126.6  
79 20.6 15.3 22.9

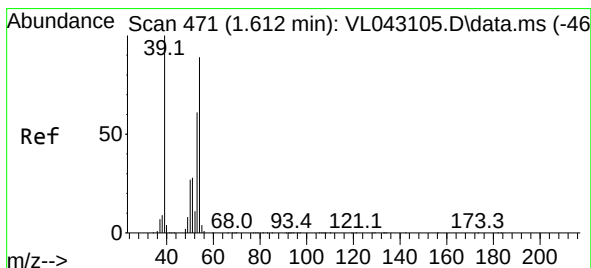
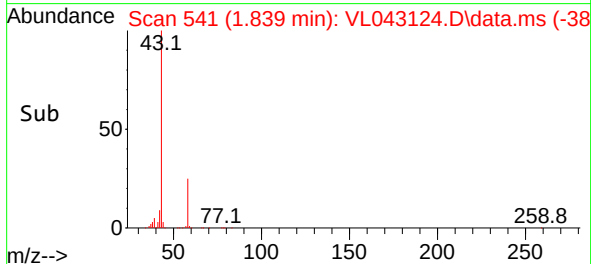
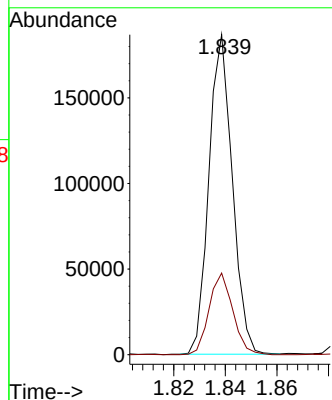
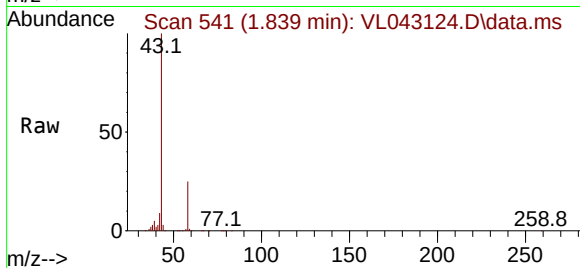




#15  
Acetone  
Concen: 9.337 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

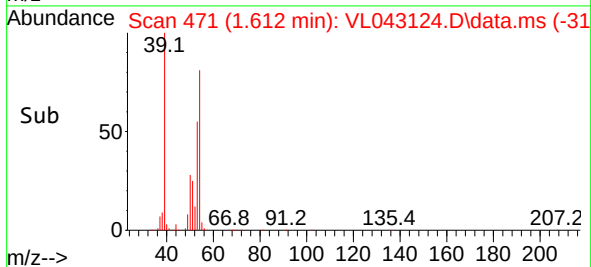
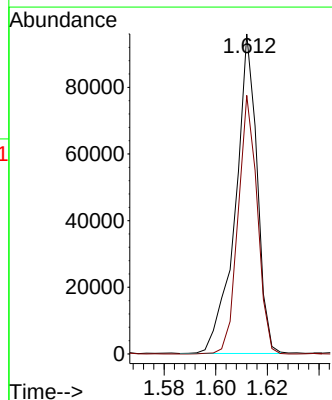
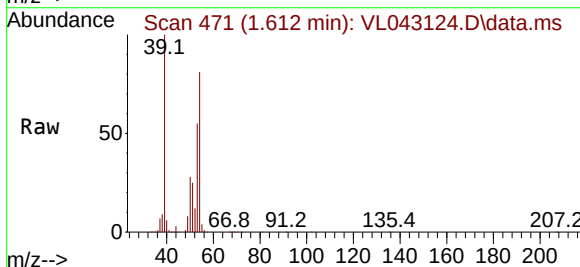
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

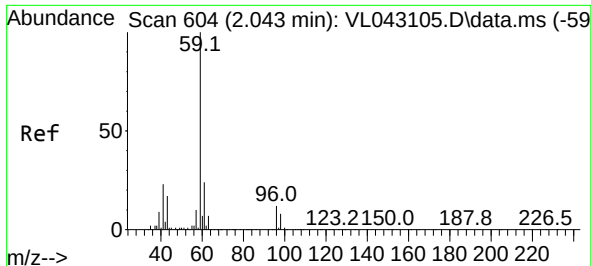
Tgt Ion: 43 Resp: 117476  
Ion Ratio Lower Upper  
43 100  
58 25.9 20.8 31.2



#16  
1,3-Butadiene  
Concen: 9.351 ppbv  
RT: 1.612 min Scan# 471  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 39 Resp: 56074  
Ion Ratio Lower Upper  
39 100  
54 71.9 59.0 88.4





#17

tert-Butyl alcohol

Concen: 10.449 ppbv

RT: 2.042 min Scan# 604

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_1

ClientSampleId :

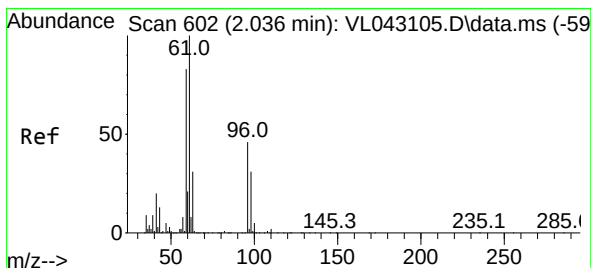
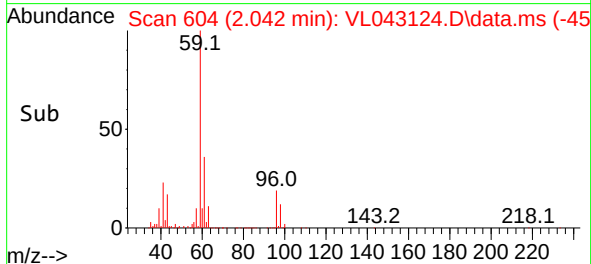
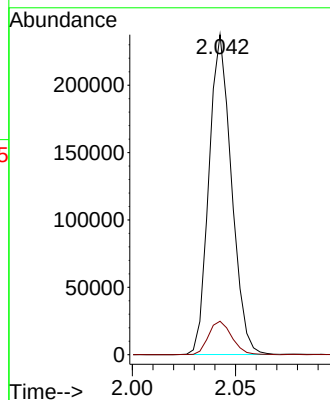
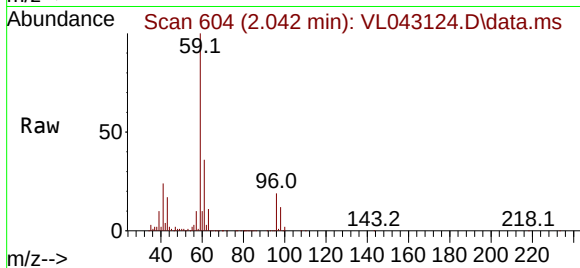
VSTDCCC010

Tgt Ion: 59 Resp: 180463

Ion Ratio Lower Upper

59 100

57 10.9 8.2 12.4



#18

1,1-Dichloroethene

Concen: 10.878 ppbv

RT: 2.039 min Scan# 603

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

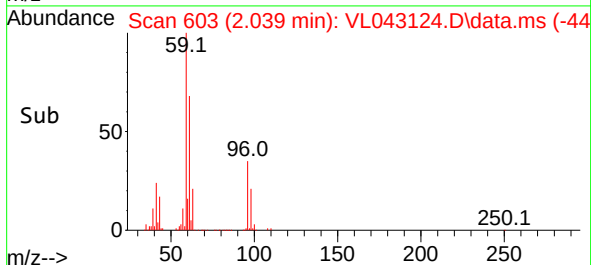
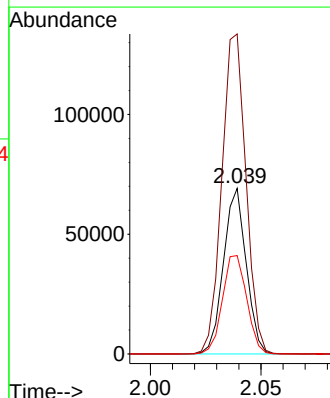
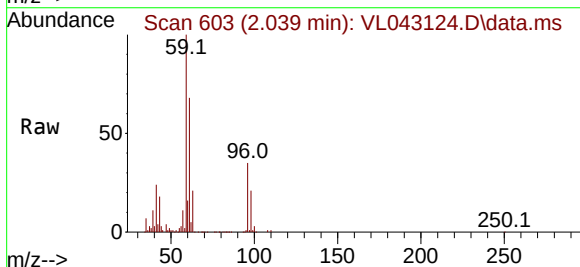
Tgt Ion: 96 Resp: 49561

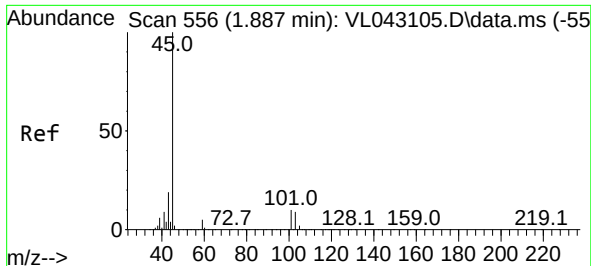
Ion Ratio Lower Upper

96 100

61 193.2 173.4 260.0

98 59.4 53.2 79.8

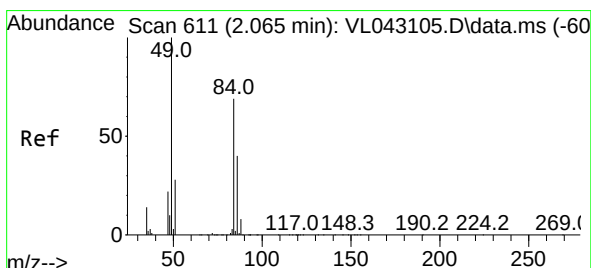
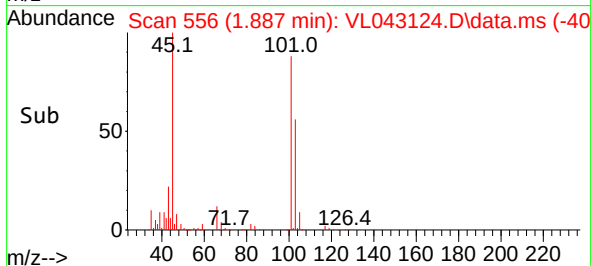
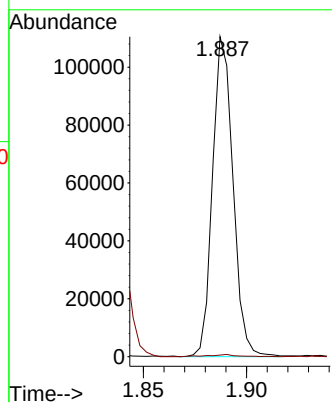
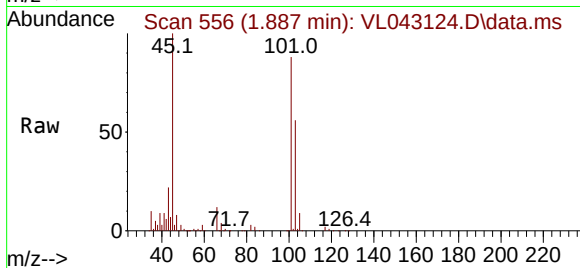




#19  
Isopropyl Alcohol  
Concen: 9.725 ppbv  
RT: 1.887 min Scan# 556  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

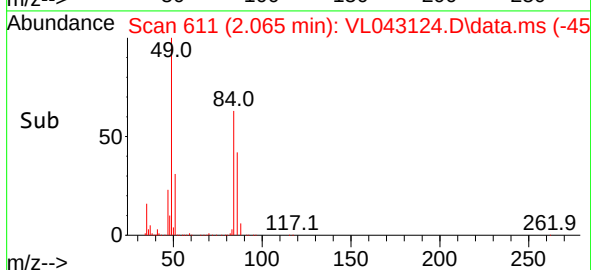
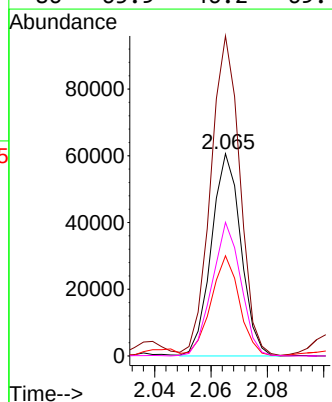
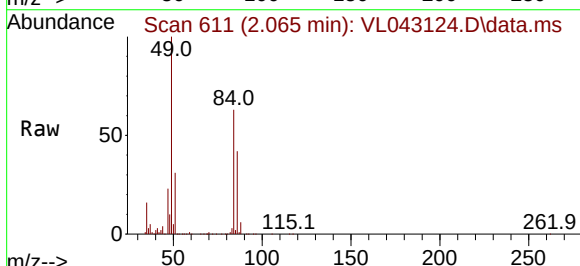
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

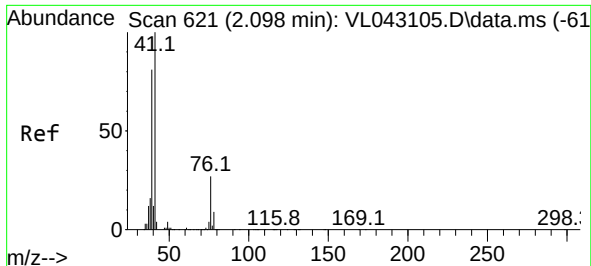
Tgt Ion: 45 Resp: 76214  
Ion Ratio Lower Upper  
45 100  
58 39.9 31.3 46.9



#20  
Methylene Chloride  
Concen: 8.881 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 84 Resp: 44171  
Ion Ratio Lower Upper  
84 100  
49 157.9 116.6 175.0  
51 49.4 34.8 52.2  
86 65.9 46.2 69.4

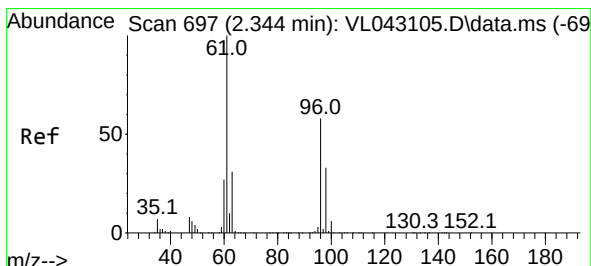
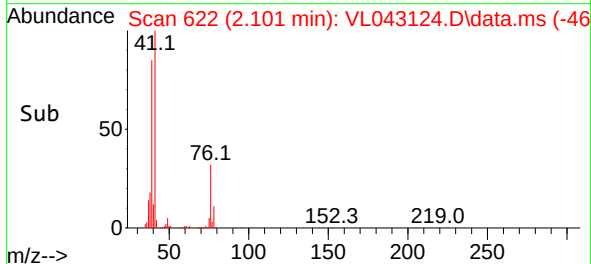
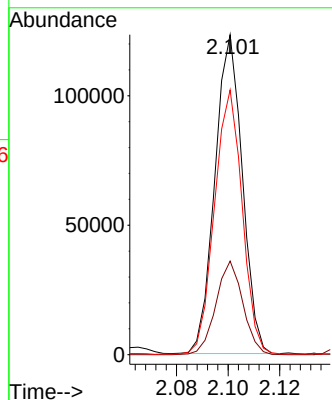
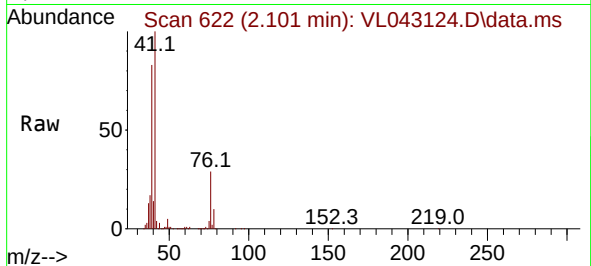




#21  
 Allyl Chloride  
 Concen: 9.805 ppbv  
 RT: 2.101 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

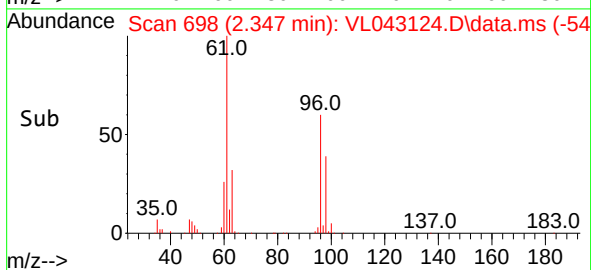
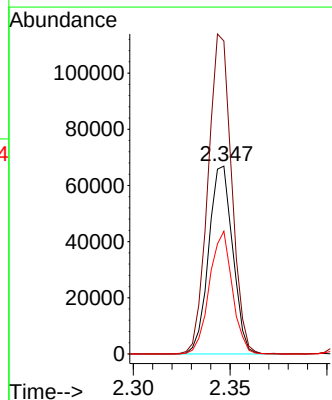
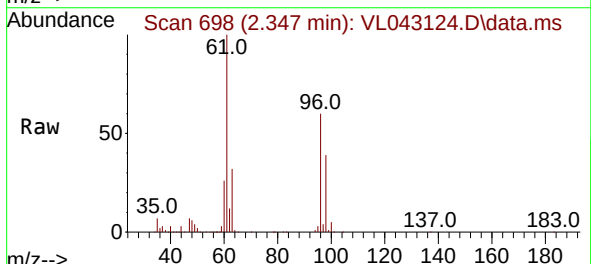
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

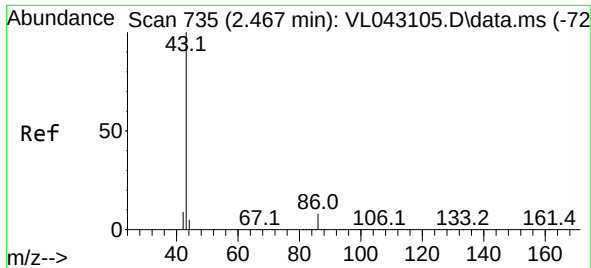
Tgt Ion: 41 Resp: 90912  
 Ion Ratio Lower Upper  
 41 100  
 76 28.9 21.5 32.3  
 39 83.2 60.8 91.2



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.586 ppbv  
 RT: 2.347 min Scan# 698  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Tgt Ion: 96 Resp: 57654  
 Ion Ratio Lower Upper  
 96 100  
 61 166.6 137.0 205.6  
 98 65.3 45.5 68.3

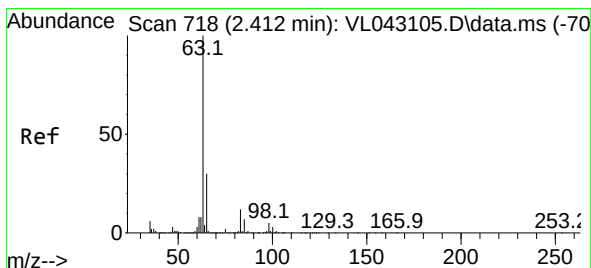
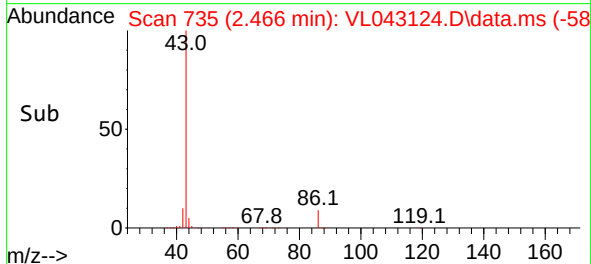
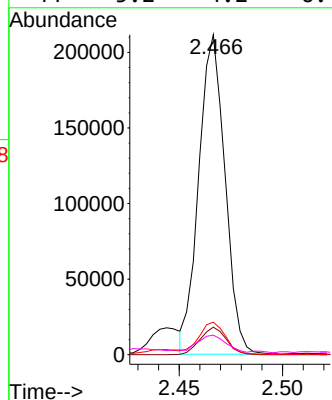
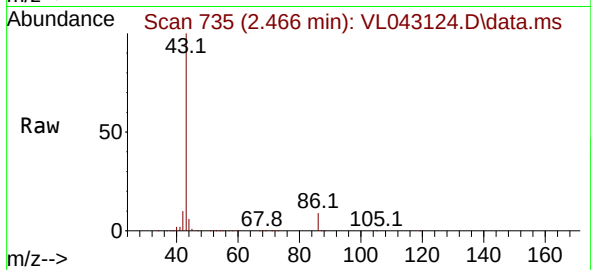




#23  
 Vinyl Acetate  
 Concen: 10.109 ppbv  
 RT: 2.466 min Scan# 719  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

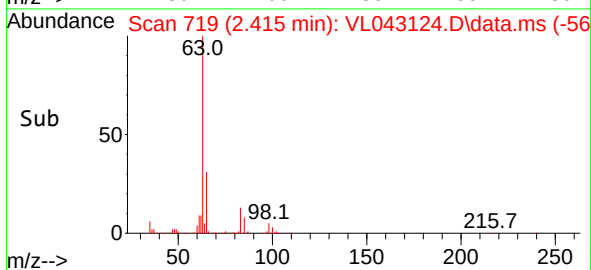
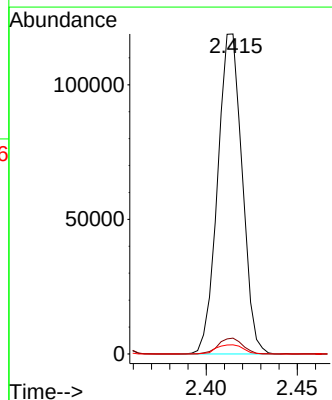
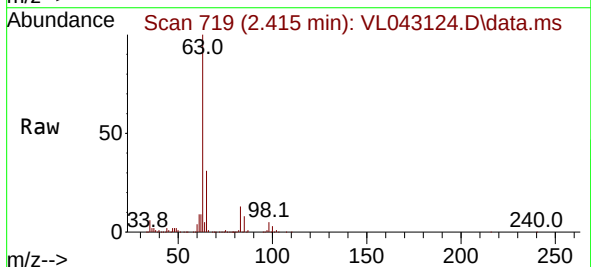
Instrument :  
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 ClientSampleId :  
 VSTDCCC010

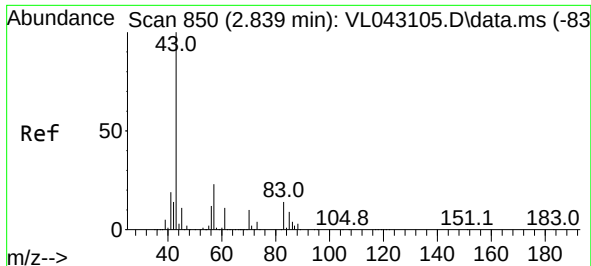
| Tgt Ion: | 43    | Resp: | 186324 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 86       | 8.6   | 6.2   | 9.2    |
| 42       | 10.0  | 7.6   | 11.4   |
| 44       | 5.2   | 4.2   | 6.4    |



#24  
 1,1-Dichloroethane  
 Concen: 10.572 ppbv  
 RT: 2.415 min Scan# 719  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

| Tgt Ion: | 63    | Resp: | 111252 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 63       | 100   |       |        |
| 98       | 4.9   | 2.6   | 7.8    |
| 100      | 2.8   | 1.5   | 4.4    |



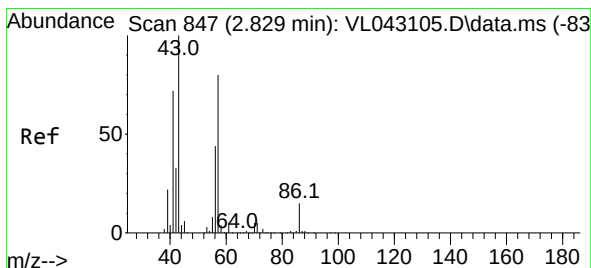
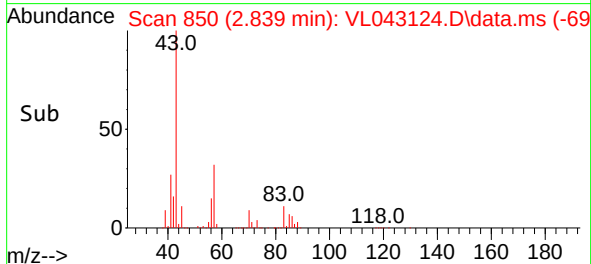
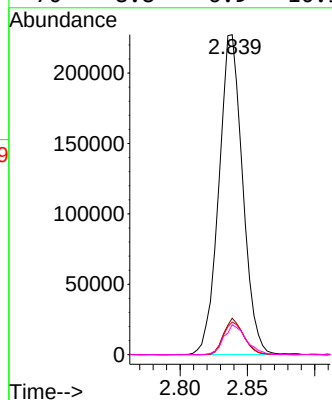
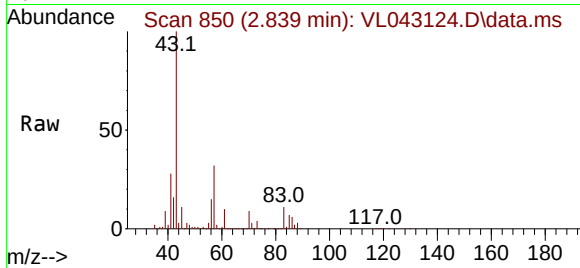


#25  
Ethyl Acetate  
Concen: 8.938 ppbv  
RT: 2.839 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 43 Resp: 278882

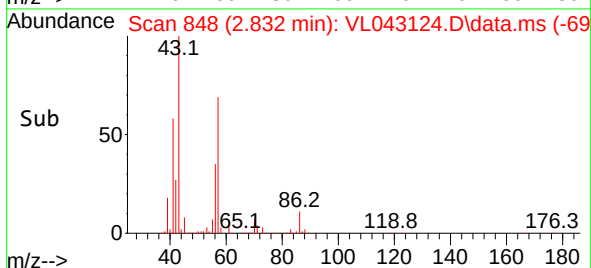
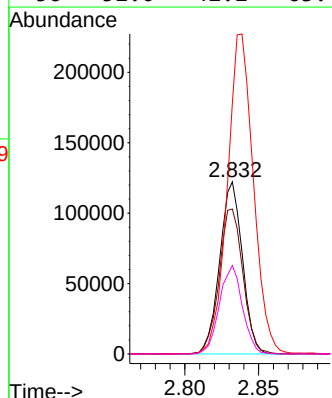
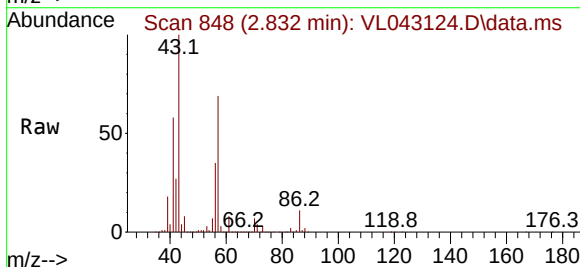
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 9.6   | 7.8   | 11.8  |
| 61  | 9.0   | 7.0   | 10.6  |
| 70  | 8.8   | 6.9   | 10.3  |



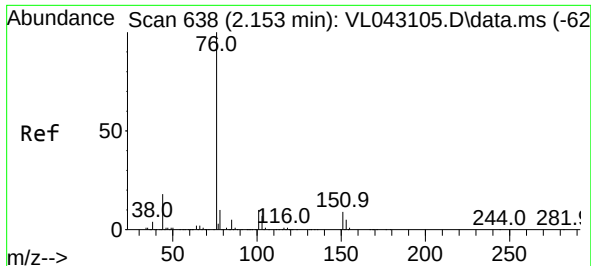
#26  
Hexane  
Concen: 9.099 ppbv  
RT: 2.832 min Scan# 848  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 57 Resp: 130825

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 89.0  | 71.4  | 107.0 |
| 43  | 214.1 | 178.5 | 267.7 |
| 56  | 52.0  | 42.2  | 63.4  |



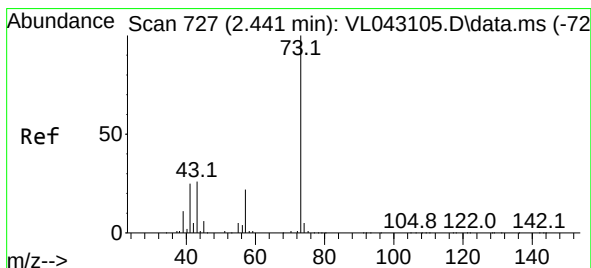
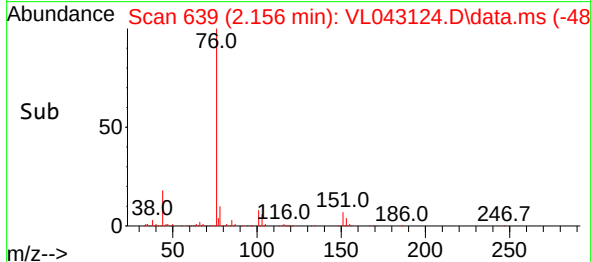
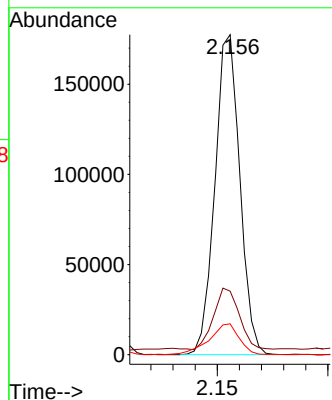
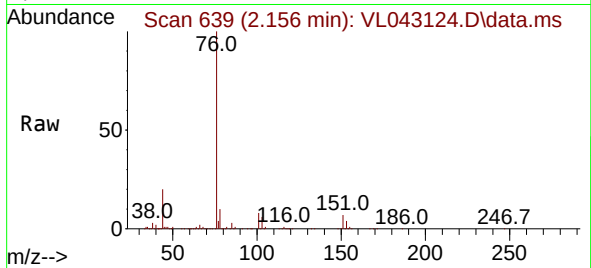




#27  
Carbon Disulfide  
Concen: 10.533 ppbv  
RT: 2.156 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

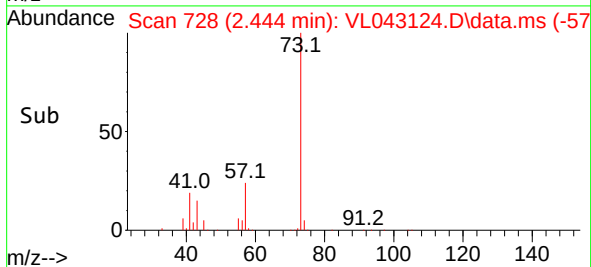
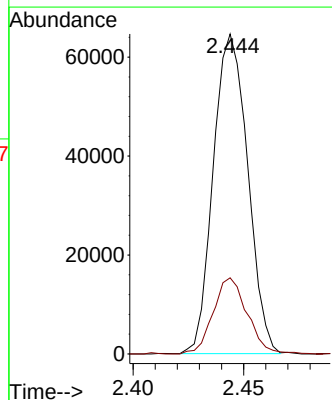
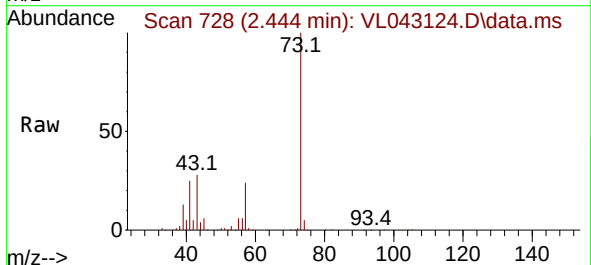
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

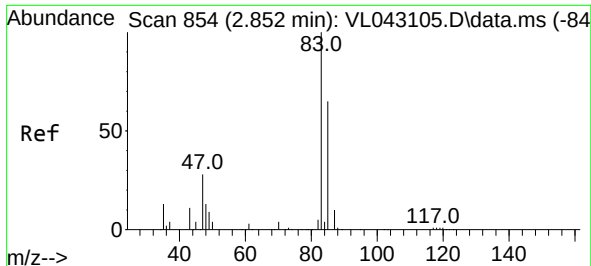
Tgt Ion: 76 Resp: 138756  
Ion Ratio Lower Upper  
76 100  
44 21.3 16.7 25.1  
78 11.7 9.3 13.9



#28  
Methyl tert-Butyl Ether  
Concen: 10.695 ppbv  
RT: 2.444 min Scan# 728  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 73 Resp: 69955  
Ion Ratio Lower Upper  
73 100  
57 23.7 20.5 30.7





#29

Chloroform

Concen: 10.504 ppbv

RT: 2.855 min Scan# 855

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

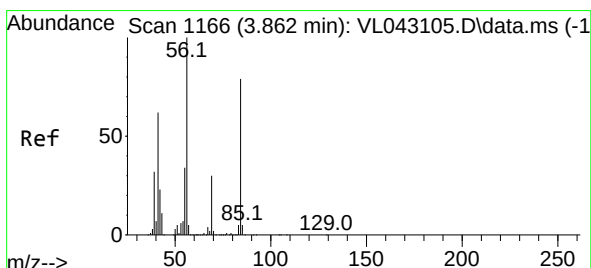
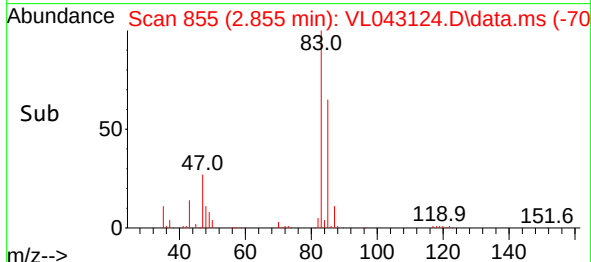
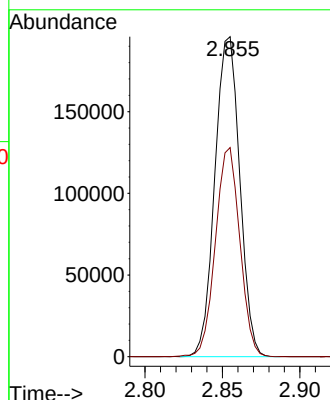
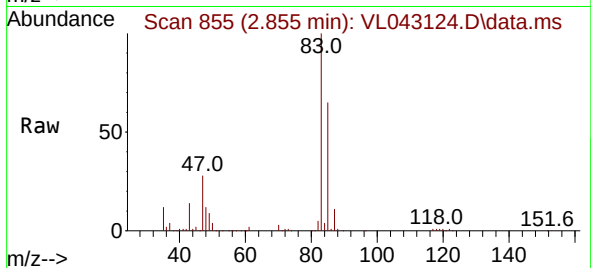
VSTDCCC010

Tgt Ion: 83 Resp: 218827

Ion Ratio Lower Upper

83 100

85 65.3 51.8 77.6



#30

Cyclohexane

Concen: 8.983 ppbv

RT: 3.861 min Scan# 1166

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

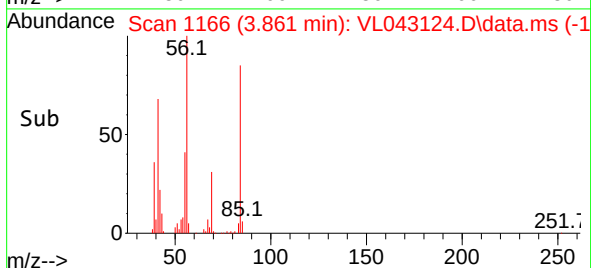
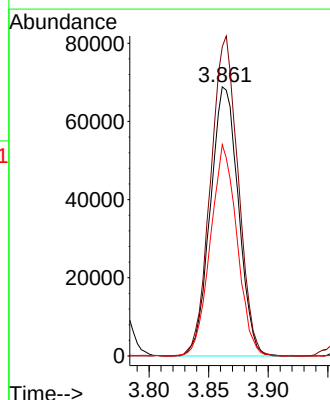
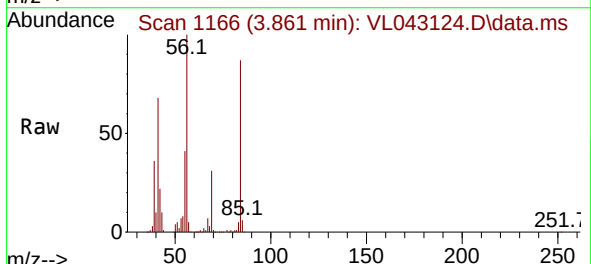
Tgt Ion: 84 Resp: 112730

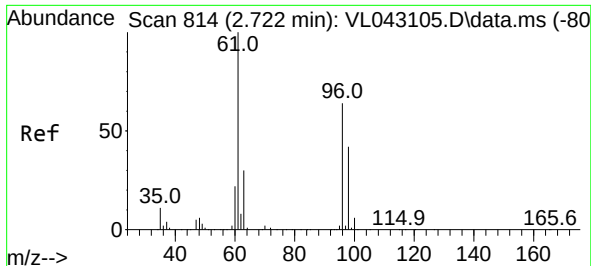
Ion Ratio Lower Upper

84 100

56 116.5 100.9 151.3

41 74.4 63.8 95.6

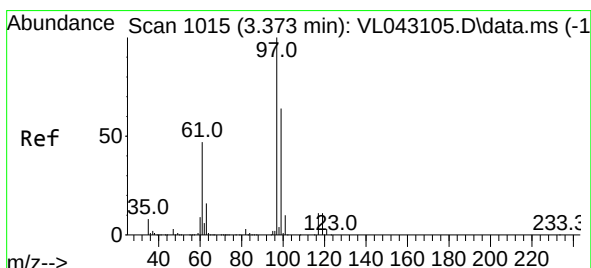
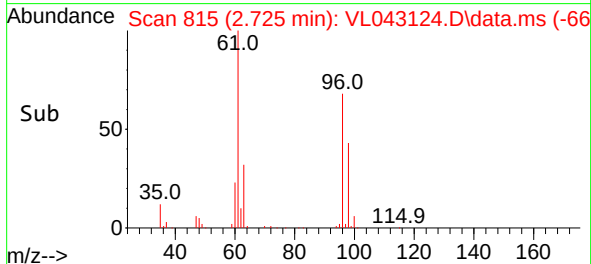
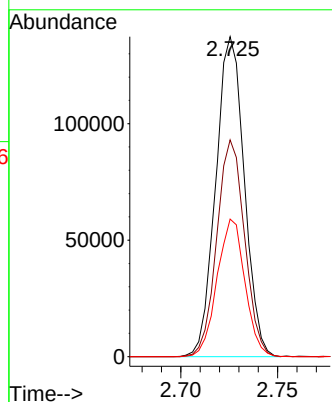
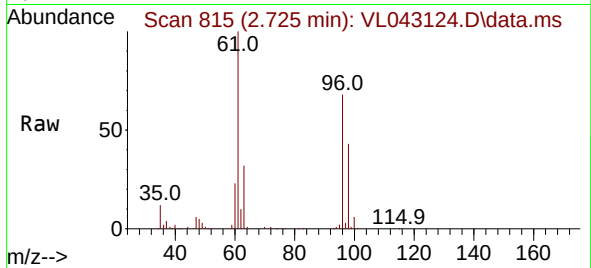




#31  
 cis-1,2-Dichloroethene  
 Concen: 10.255 ppbv  
 RT: 2.725 min Scan# 814  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

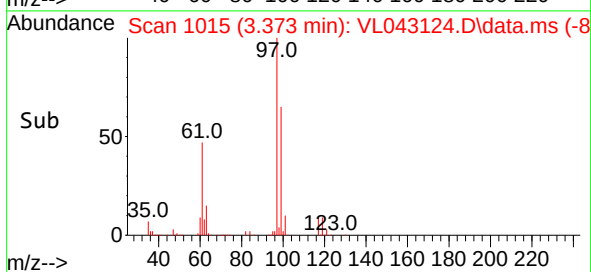
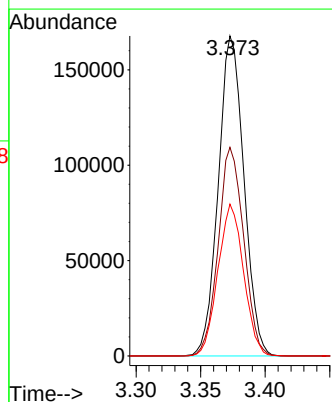
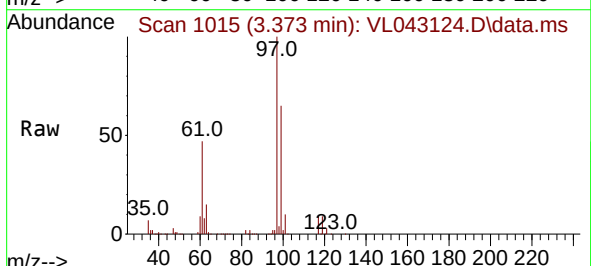
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

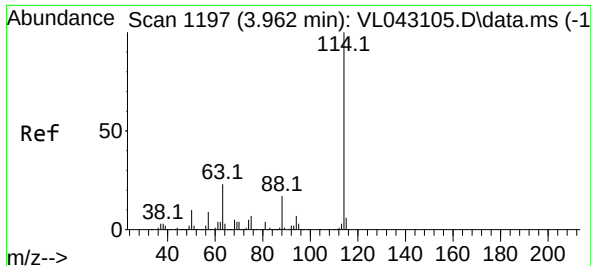
Tgt Ion: 61 Resp: 140786  
 Ion Ratio Lower Upper  
 61 100  
 96 67.7 51.0 76.6  
 98 43.0 33.5 50.3



#32  
 1,1,1-Trichloroethane  
 Concen: 10.692 ppbv  
 RT: 3.373 min Scan# 1015  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Tgt Ion: 97 Resp: 231957  
 Ion Ratio Lower Upper  
 97 100  
 99 64.5 51.3 76.9  
 61 47.4 38.4 57.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1197

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

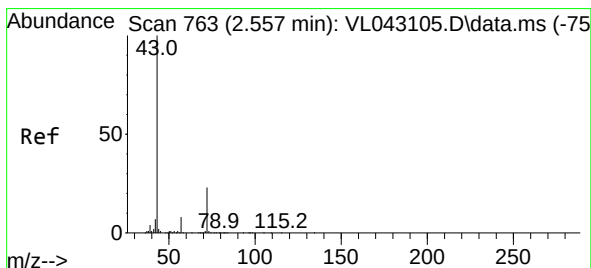
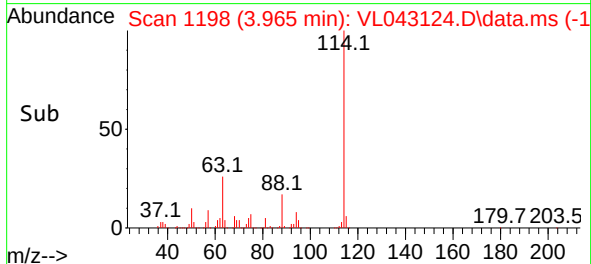
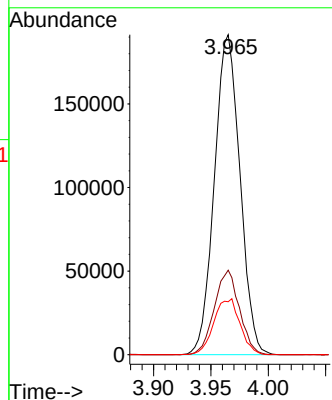
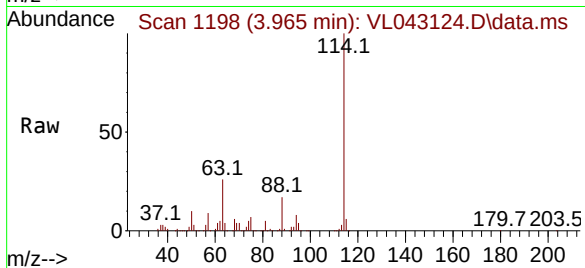
Tgt Ion:114 Resp: 297102

Ion Ratio Lower Upper

114 100

63 25.9 19.3 28.9

88 17.9 13.9 20.9



#34

2-Butanone

Concen: 9.166 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.003 min

Lab File: VL043124.D

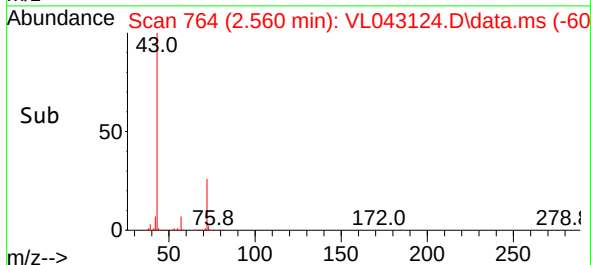
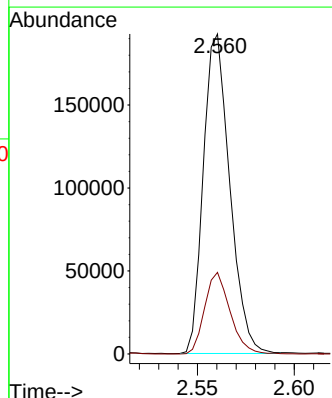
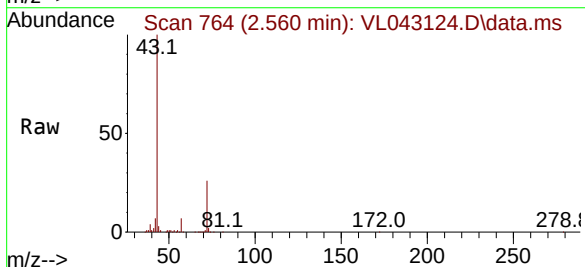
Acq: 16 Oct 2025 09:14

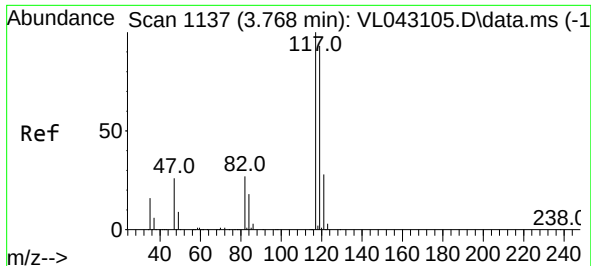
Tgt Ion: 43 Resp: 183049

Ion Ratio Lower Upper

43 100

72 24.5 18.4 27.6

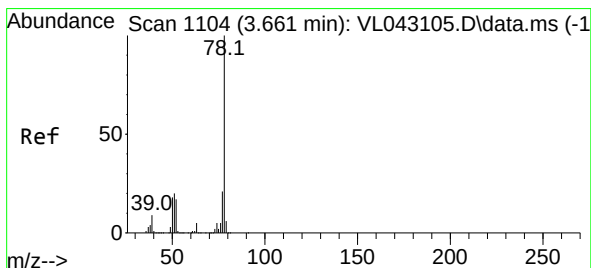
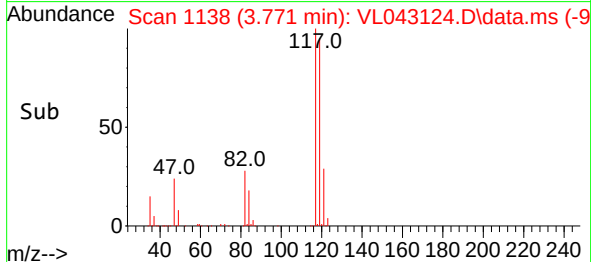
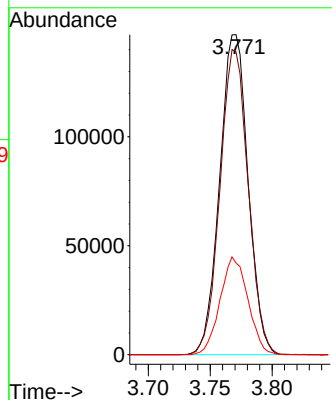
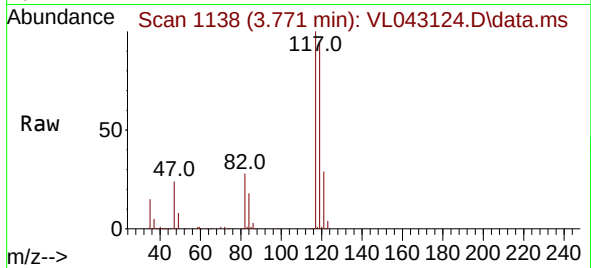




#35  
Carbon Tetrachloride  
Concen: 10.989 ppbv  
RT: 3.771 min Scan# 1137  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

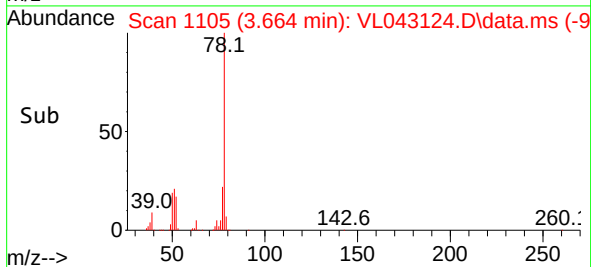
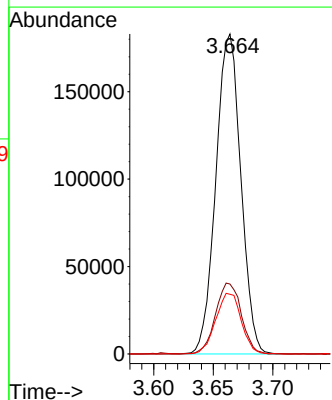
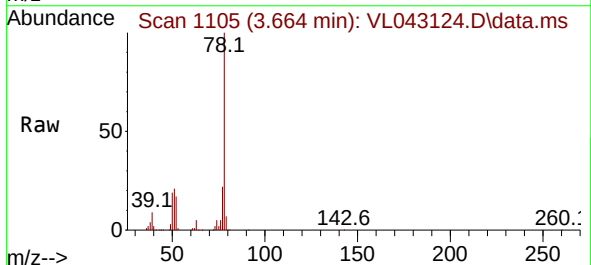
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

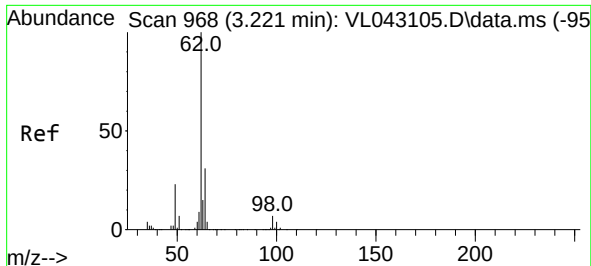
Tgt Ion:117 Resp: 234731  
Ion Ratio Lower Upper  
117 100  
119 94.6 74.1 111.1  
121 28.6 22.2 33.2



#36  
Benzene  
Concen: 9.536 ppbv  
RT: 3.664 min Scan# 1105  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 78 Resp: 266849  
Ion Ratio Lower Upper  
78 100  
77 21.8 17.0 25.6  
50 18.7 14.6 22.0





#37

1,2-Dichloroethane

Concen: 10.893 ppbv

RT: 3.224 min Scan# 968

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

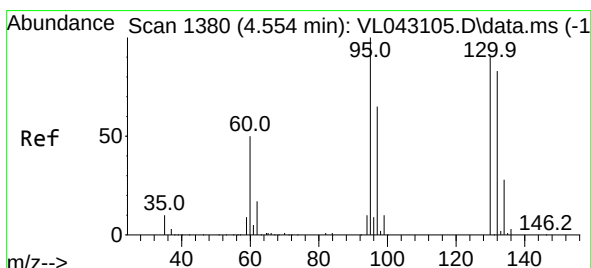
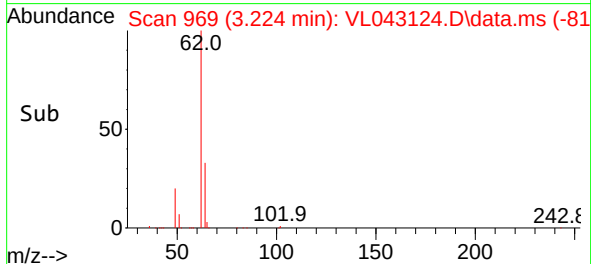
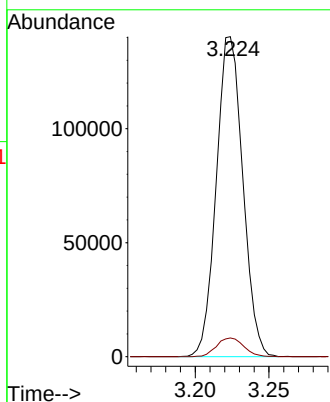
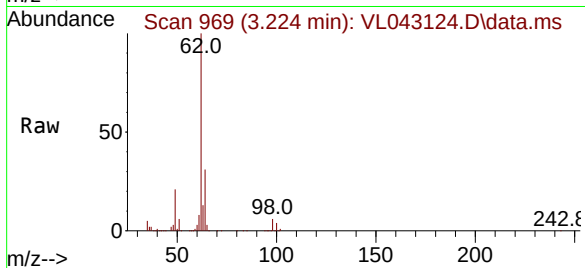
VSTDCCC010

Tgt Ion: 62 Resp: 175587

Ion Ratio Lower Upper

62 100

98 6.0 5.8 8.6



#38

Trichloroethene

Concen: 9.021 ppbv

RT: 4.554 min Scan# 1380

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion:130 Resp: 105427

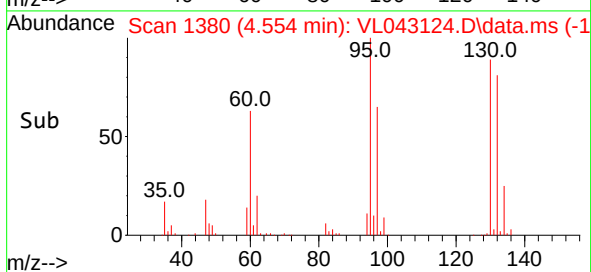
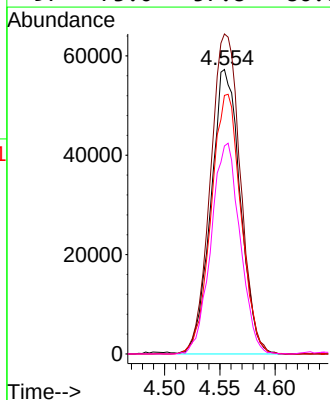
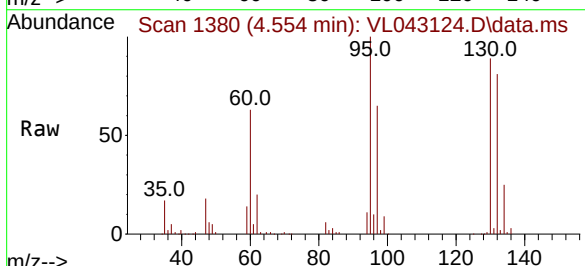
Ion Ratio Lower Upper

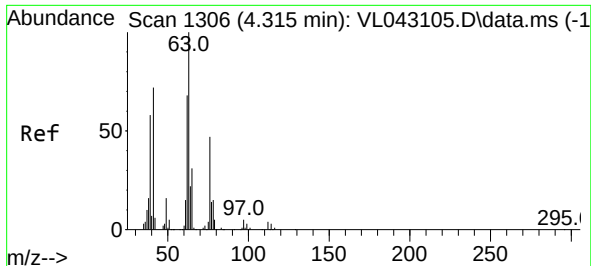
130 100

95 112.3 88.6 133.0

132 90.7 73.4 110.0

97 73.0 57.8 86.6





#39

1,2-Dichloropropane

Concen: 9.123 ppbv

RT: 4.321 min Scan# 1

Delta R.T. 0.006 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

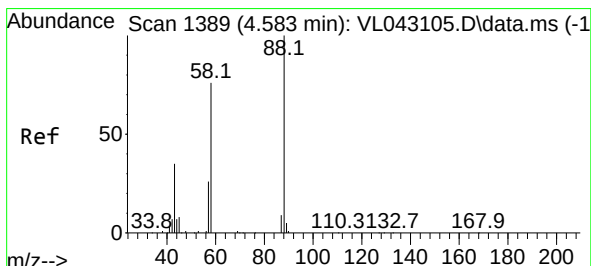
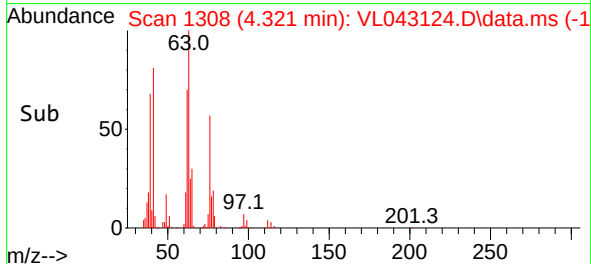
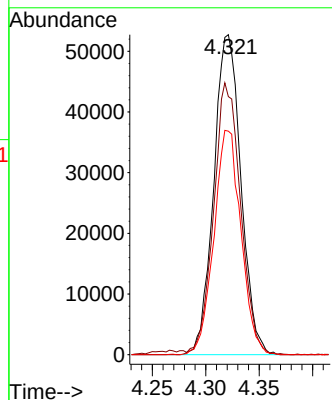
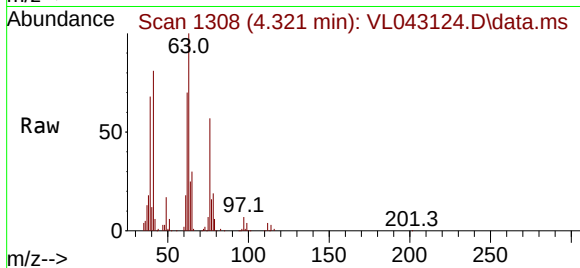
Tgt Ion: 63 Resp: 93327

Ion Ratio Lower Upper

63 100

41 80.3 58.0 87.0

62 69.8 54.7 82.1



#40

1,4-Dioxane

Concen: 9.606 ppbv

RT: 4.586 min Scan# 1390

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion: 88 Resp: 43974

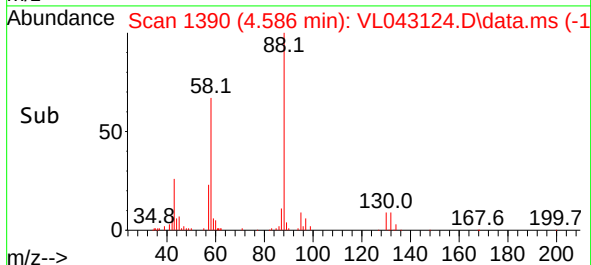
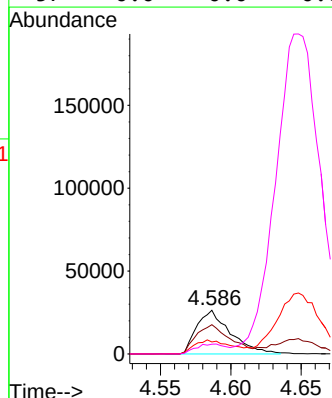
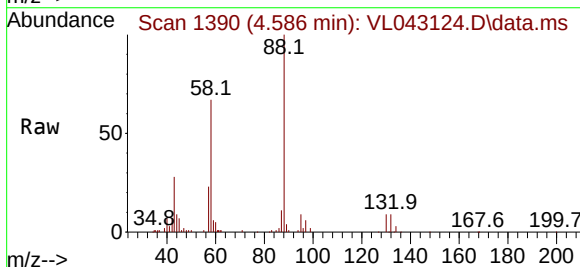
Ion Ratio Lower Upper

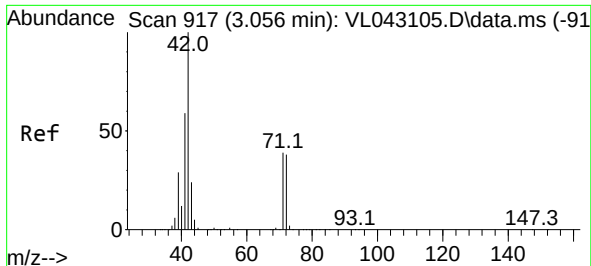
88 100

58 65.9 61.1 91.7

43 36.0 24.0 36.0

57 0.0 0.0 0.0

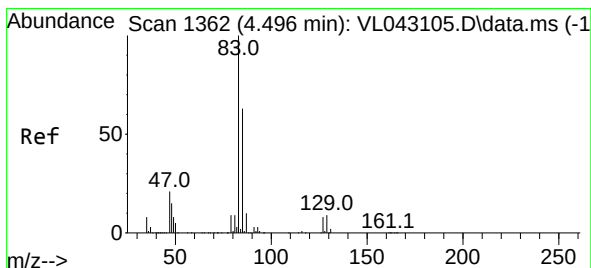
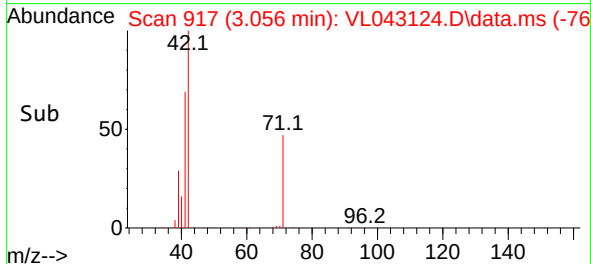
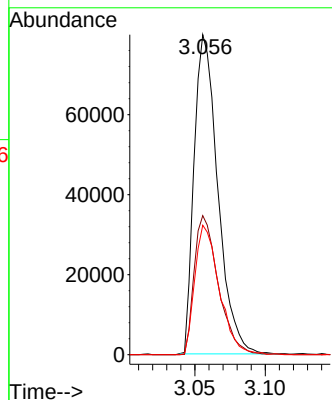
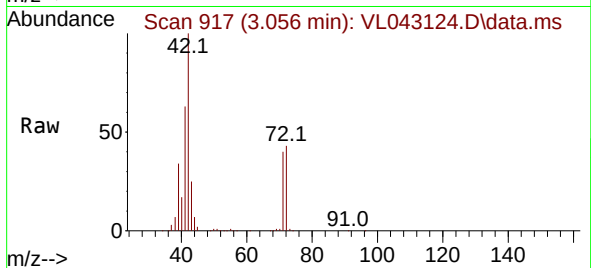




#41  
Tetrahydrofuran  
Concen: 8.362 ppbv  
RT: 3.056 min Scan# 917  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

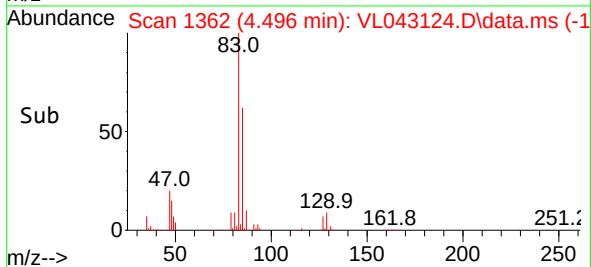
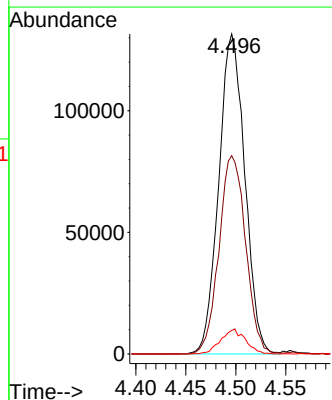
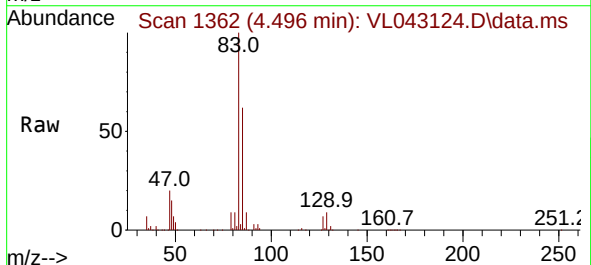
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

Tgt Ion: 42 Resp: 93405  
Ion Ratio Lower Upper  
42 100  
72 44.4 31.3 46.9  
71 41.8 30.4 45.6

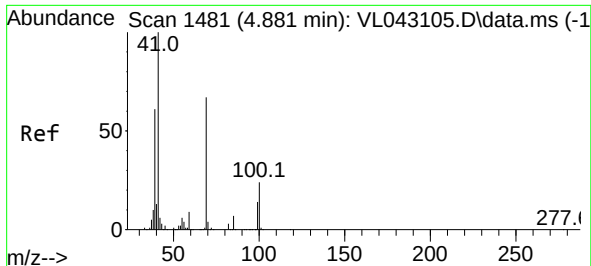


#42  
Bromodichloromethane  
Concen: 10.696 ppbv  
RT: 4.496 min Scan# 1362  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 83 Resp: 238626  
Ion Ratio Lower Upper  
83 100  
85 62.0 50.6 75.8  
127 7.4 6.3 9.5



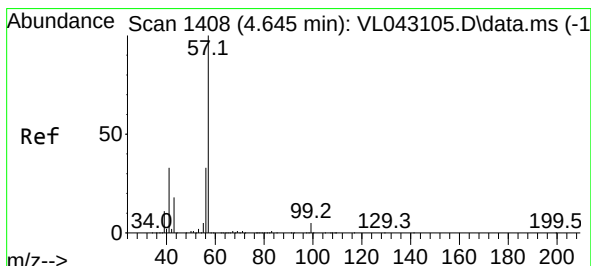
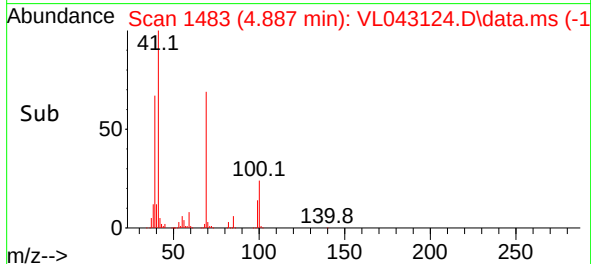
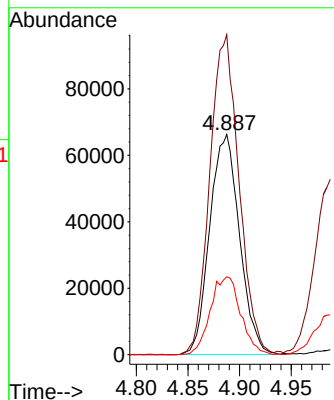
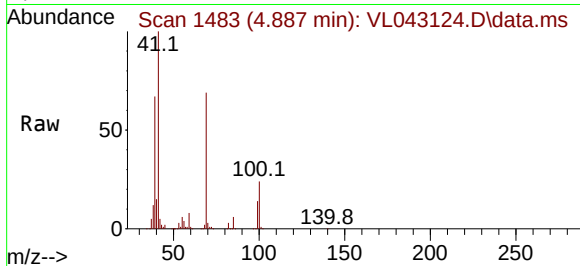




#43  
Methyl Methacrylate  
Concen: 9.342 ppbv  
RT: 4.887 min Scan# 1481  
Delta R.T. 0.006 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

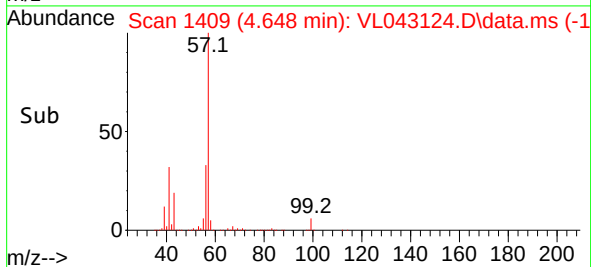
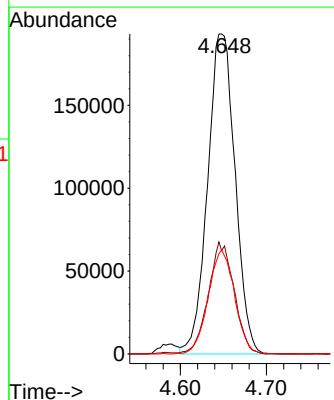
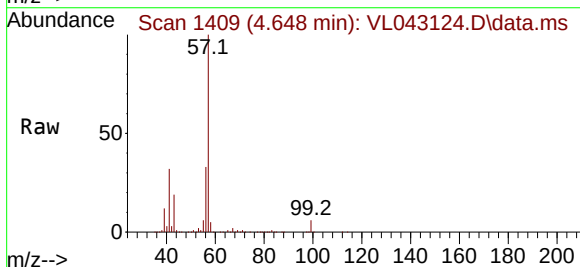
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

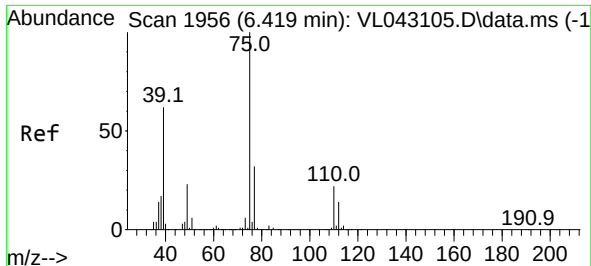
Tgt Ion: 69 Resp: 132764  
Ion Ratio Lower Upper  
69 100  
41 142.4 120.5 180.7  
100 36.0 29.0 43.4



#44  
2,2,4-Trimethylpentane  
Concen: 9.084 ppbv  
RT: 4.648 min Scan# 1409  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 57 Resp: 428858  
Ion Ratio Lower Upper  
57 100  
41 33.3 26.3 39.5  
56 31.2 25.9 38.9





#45

t-1,3-Dichloropropene

Concen: 10.086 ppbv

RT: 6.422 min Scan# 1956

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

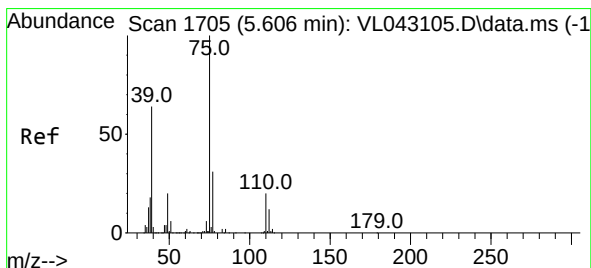
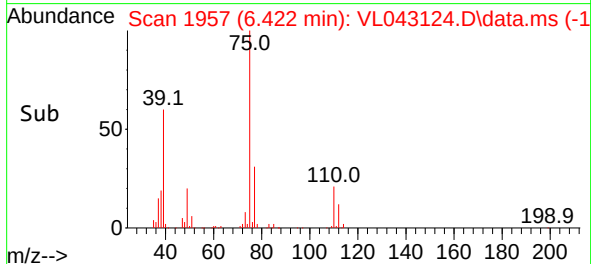
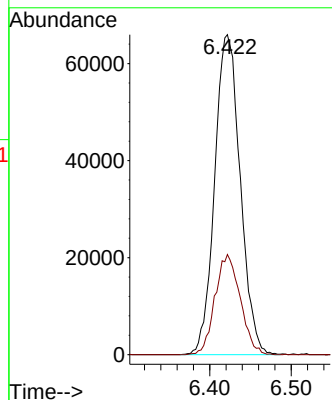
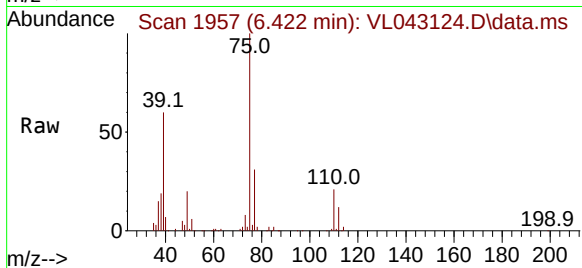
VSTDCCC010

Tgt Ion: 75 Resp: 143853

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 9.537 ppbv

RT: 5.609 min Scan# 1706

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

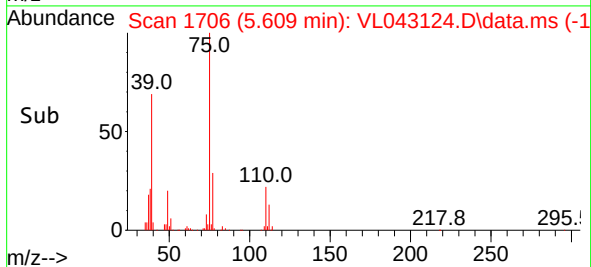
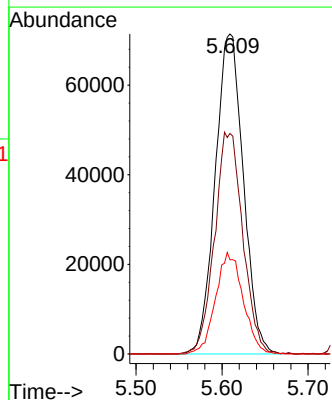
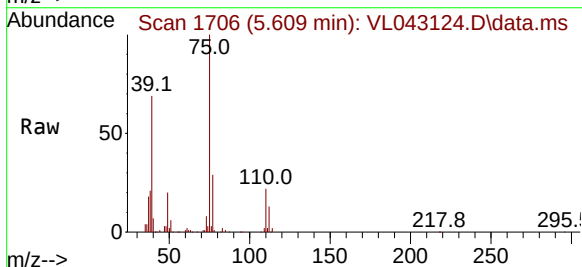
Tgt Ion: 75 Resp: 162496

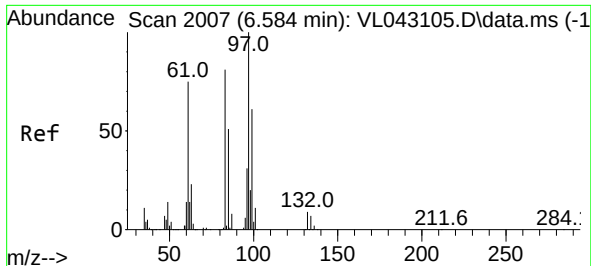
Ion Ratio Lower Upper

75 100

39 68.7 51.0 76.6

77 29.4 25.0 37.4

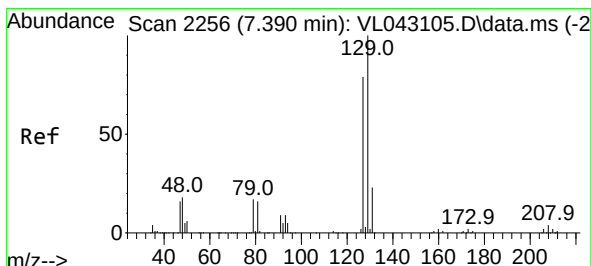
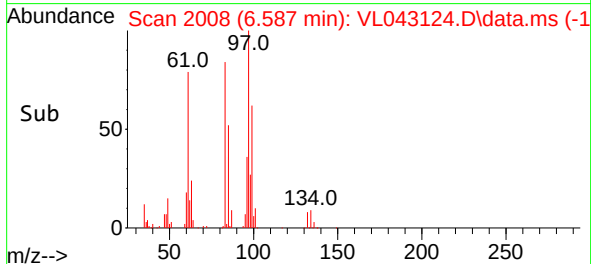
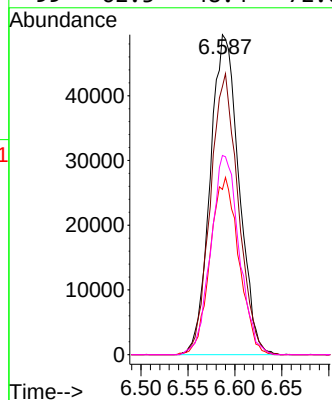
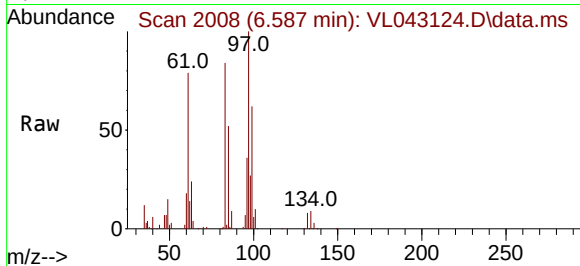




#47  
1,1,2-Trichloroethane  
Concen: 9.545 ppbv  
RT: 6.587 min Scan# 2007  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

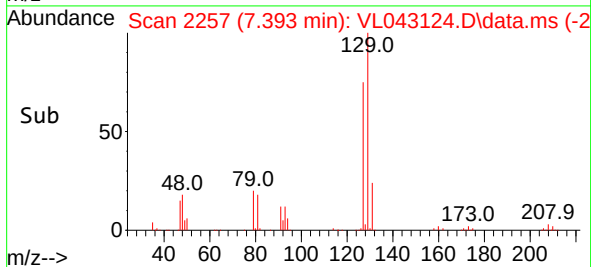
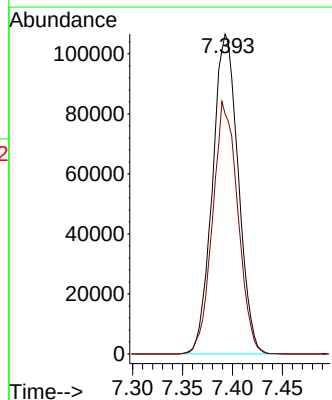
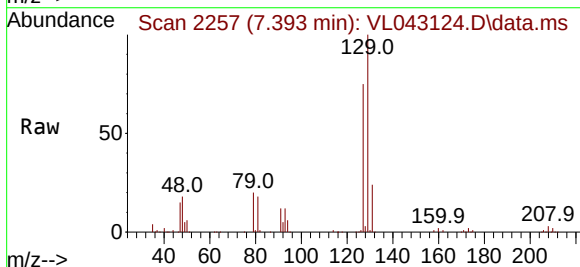
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

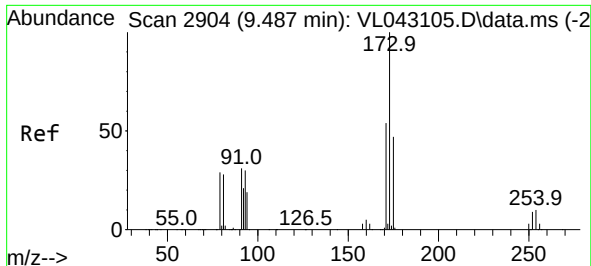
| Tgt Ion: 97 | Resp: 105447 |       |       |
|-------------|--------------|-------|-------|
| Ion         | Ratio        | Lower | Upper |
| 97          | 100          |       |       |
| 83          | 83.8         | 64.6  | 96.8  |
| 85          | 51.7         | 40.6  | 60.8  |
| 99          | 62.3         | 48.4  | 72.6  |



#48  
Dibromochloromethane  
Concen: 10.342 ppbv  
RT: 7.393 min Scan# 2257  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

|             |              |
|-------------|--------------|
| Tgt Ion:129 | Resp: 191024 |
| Ion Ratio   | Lower Upper  |
| 129 100     |              |
| 127 77.2    | 39.3 117.9   |

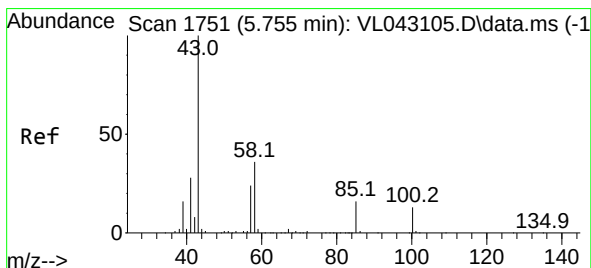
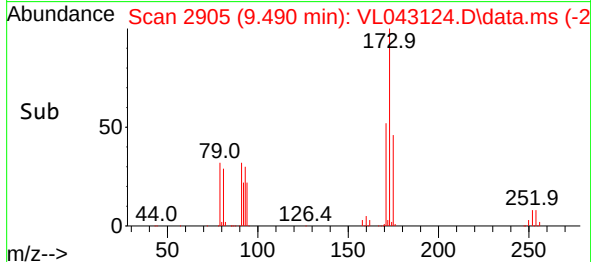
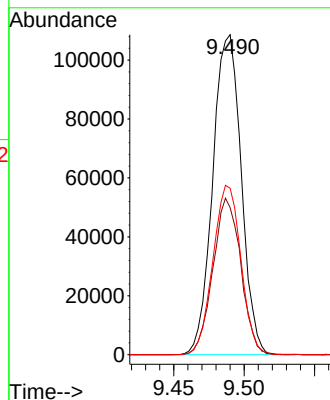
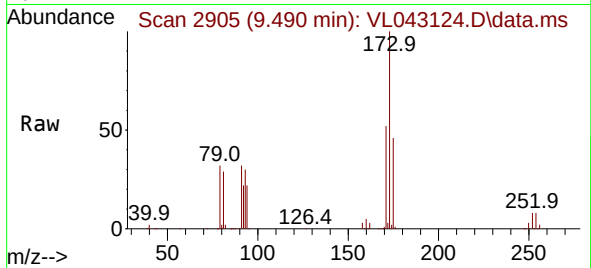




#49  
Bromoform  
Concen: 10.182 ppbv  
RT: 9.490 min Scan# 2904  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

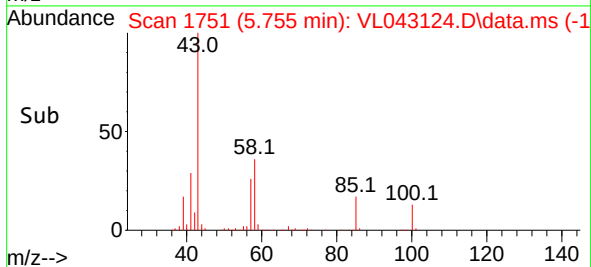
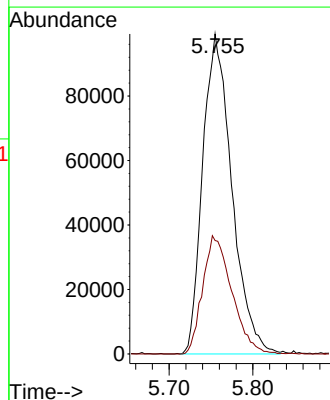
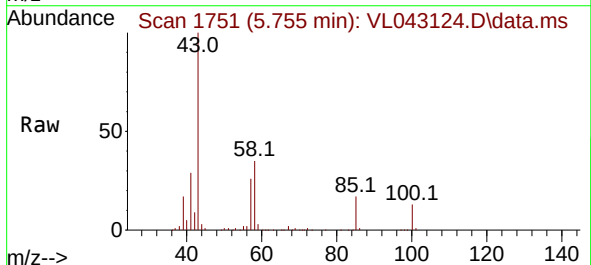
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

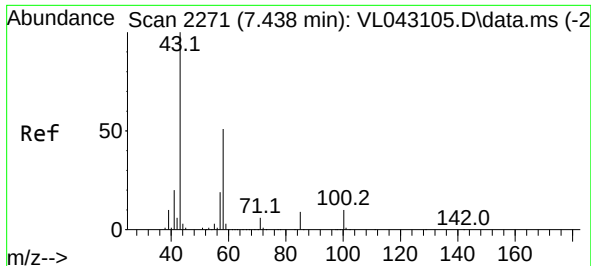
Tgt Ion:173 Resp: 152870  
Ion Ratio Lower Upper  
173 100  
175 47.8 38.8 58.2  
171 52.0 41.7 62.5



#50  
4-Methyl-2-Pentanone  
Concen: 8.719 ppbv  
RT: 5.755 min Scan# 1751  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 43 Resp: 240313  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.1 43.7

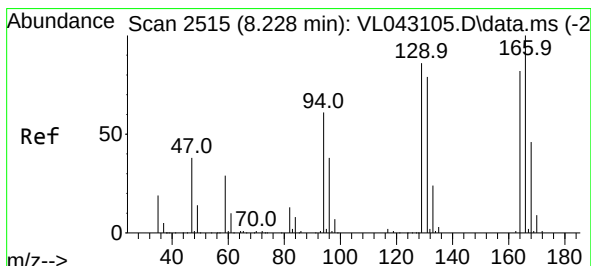
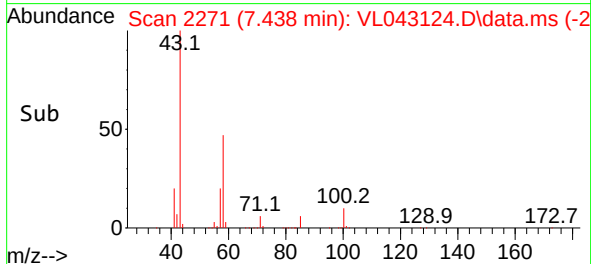
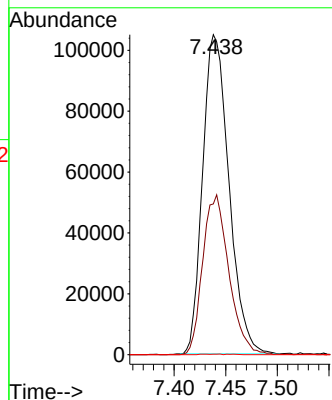
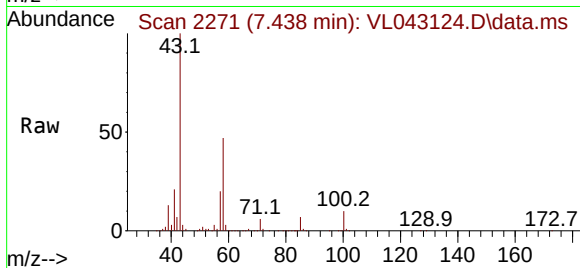




#51  
2-Hexanone  
Concen: 8.993 ppbv  
RT: 7.438 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

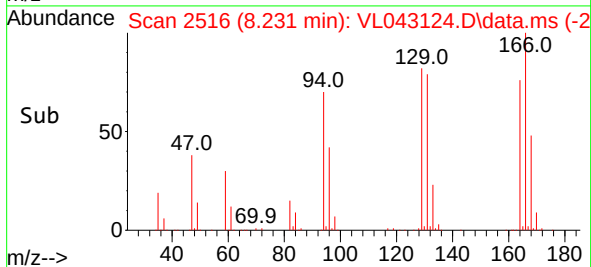
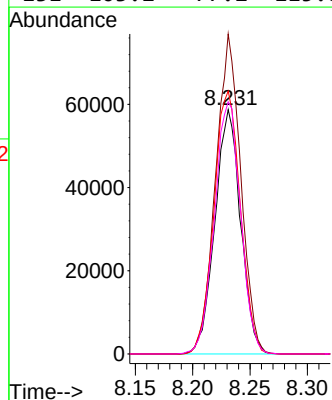
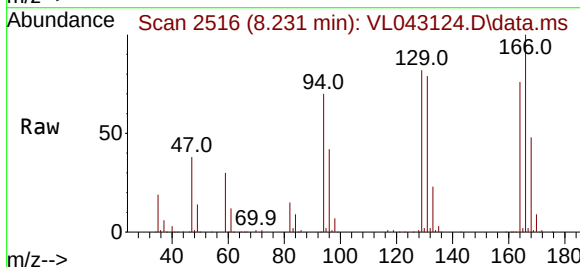
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

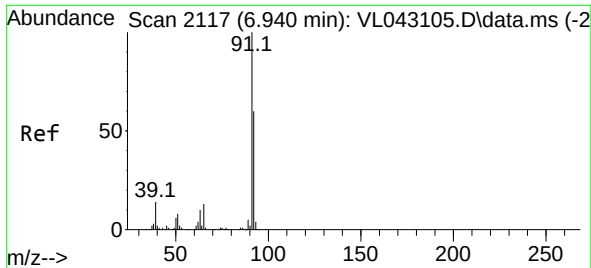
Tgt Ion: 43 Resp: 185904  
Ion Ratio Lower Upper  
43 100  
58 49.8 40.4 60.6  
98 0.2 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 9.045 ppbv  
RT: 8.231 min Scan# 2516  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion:164 Resp: 91268  
Ion Ratio Lower Upper  
164 100  
166 131.0 97.6 146.4  
129 107.6 84.5 126.7  
131 103.2 77.2 115.8





#53

Toluene

Concen: 9.138 ppbv

RT: 6.943 min Scan# 2117

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

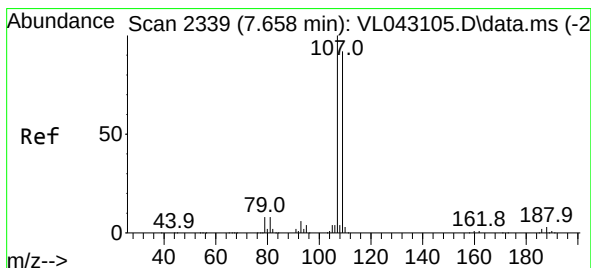
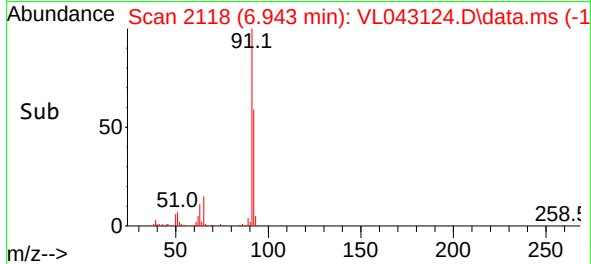
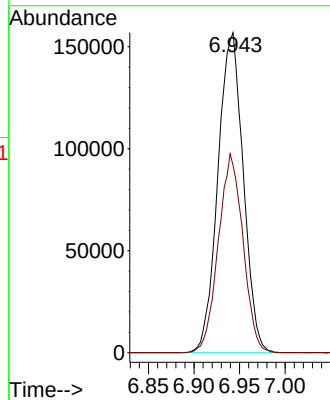
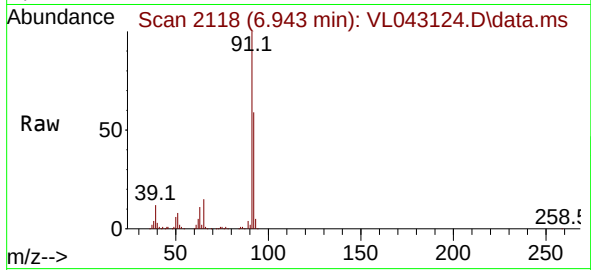
VSTDCCC010

Tgt Ion: 91 Resp: 303467

Ion Ratio Lower Upper

91 100

92 60.4 48.8 73.2



#54

1,2-Dibromoethane

Concen: 9.619 ppbv

RT: 7.658 min Scan# 2339

Delta R.T. -0.000 min

Lab File: VL043124.D

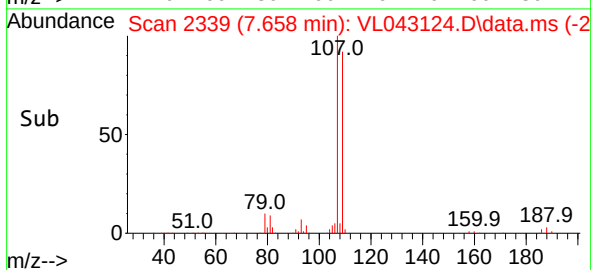
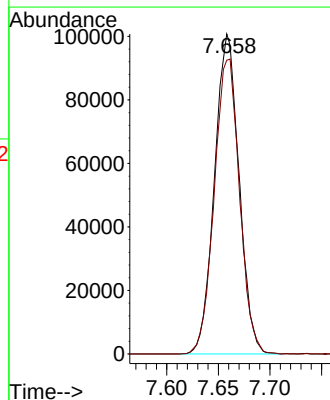
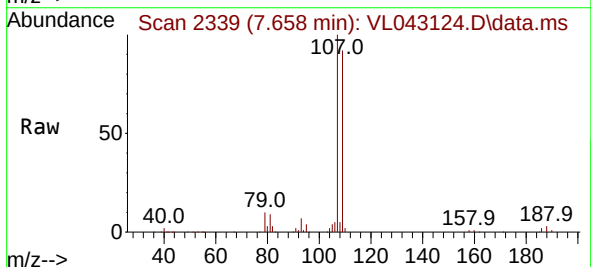
Acq: 16 Oct 2025 09:14

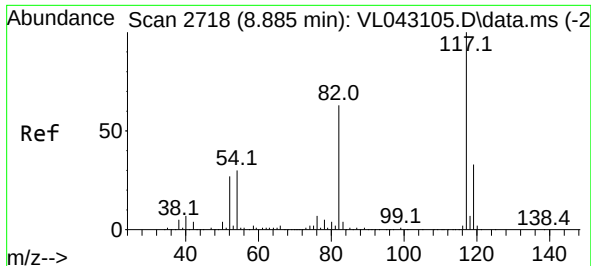
Tgt Ion: 107 Resp: 166451

Ion Ratio Lower Upper

107 100

109 91.8 73.4 110.2

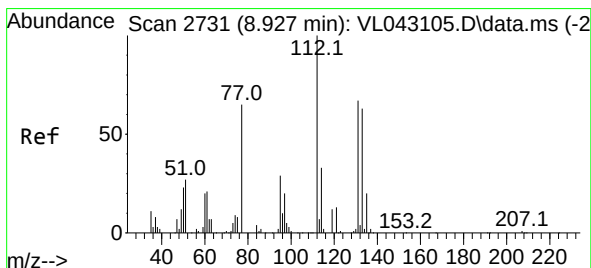
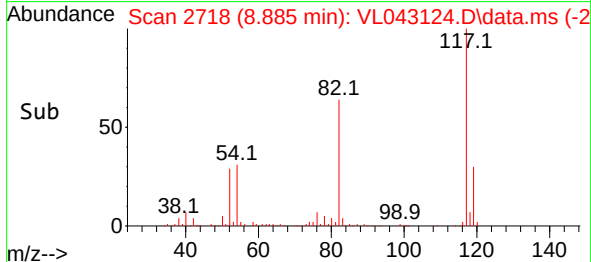
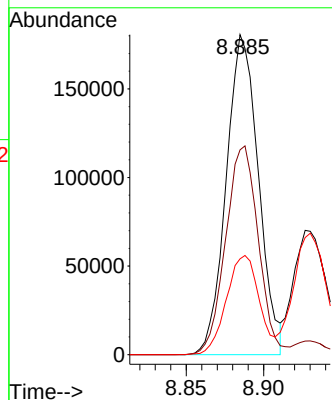
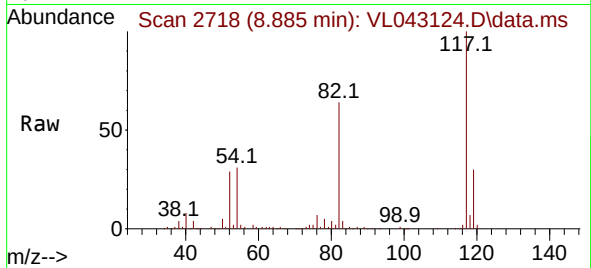




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.885 min Scan# 2718  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

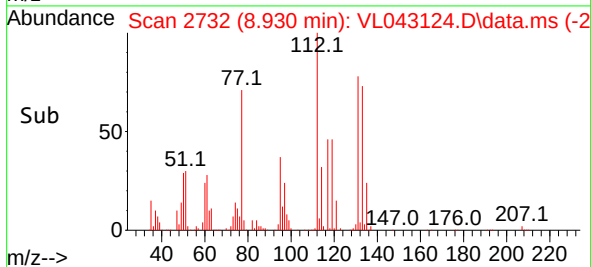
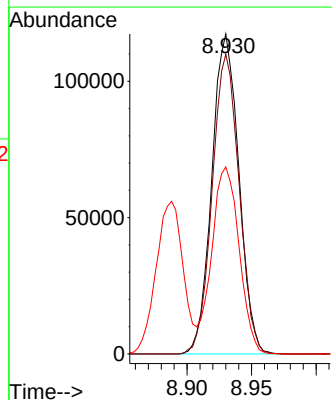
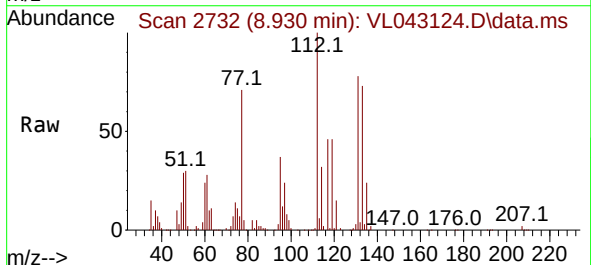
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

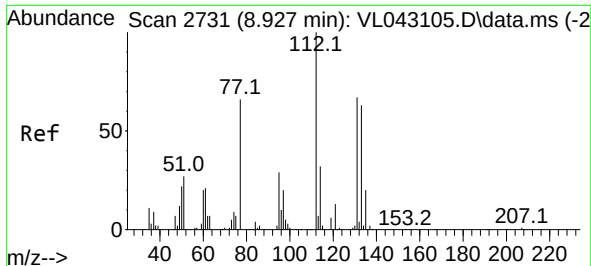
Tgt Ion:117 Resp: 261876  
Ion Ratio Lower Upper  
117 100  
82 70.2 53.8 80.8  
119 31.7 25.4 38.0



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.327 ppbv  
RT: 8.930 min Scan# 2732  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion:131 Resp: 170476  
Ion Ratio Lower Upper  
131 100  
133 93.3 75.7 113.5  
119 60.3 50.6 76.0

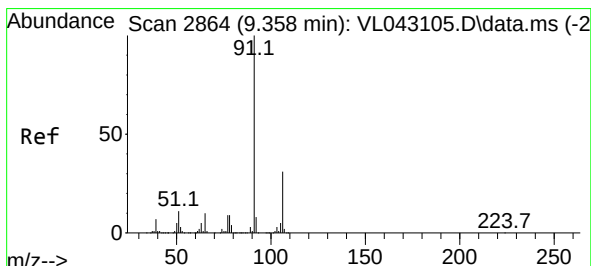
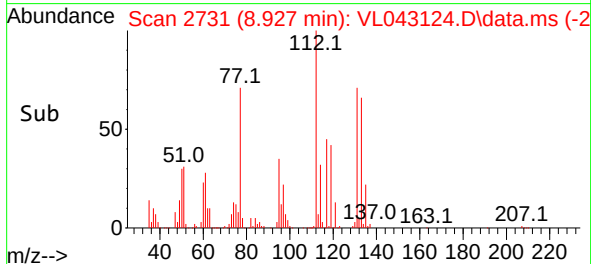
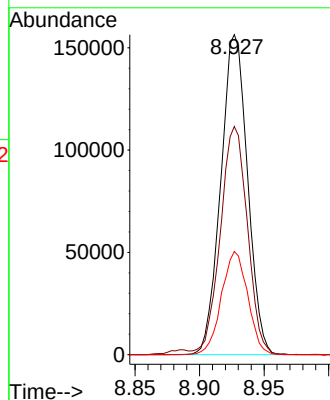
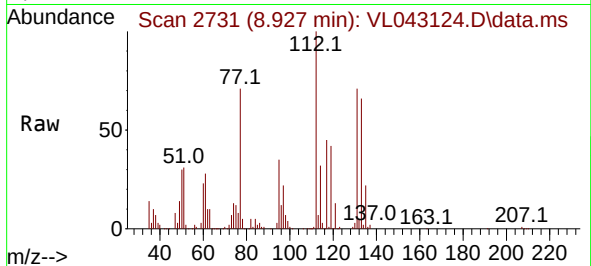




#57  
Chlorobenzene  
Concen: 9.221 ppbv  
RT: 8.927 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

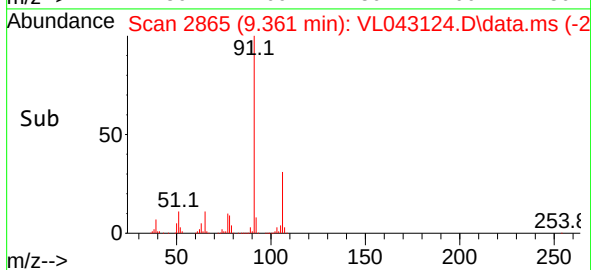
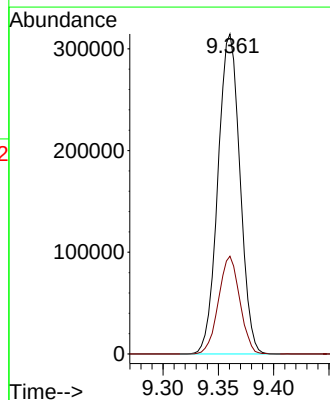
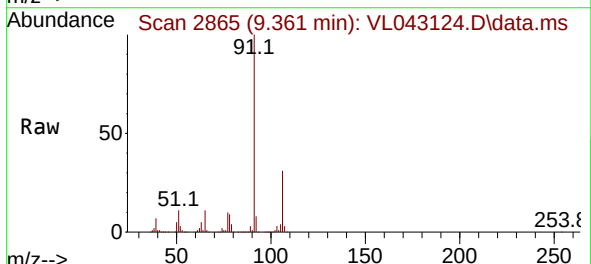
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

Tgt Ion:112 Resp: 225893  
Ion Ratio Lower Upper  
112 100  
77 71.2 53.3 79.9  
114 32.2 29.3 35.8

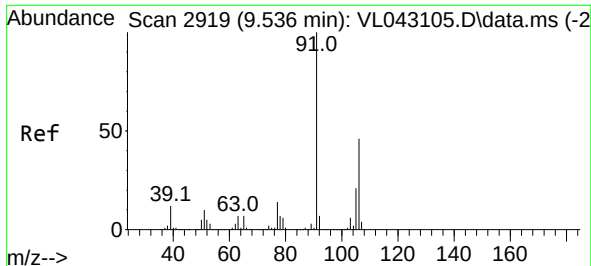


#58  
Ethyl Benzene  
Concen: 9.670 ppbv  
RT: 9.361 min Scan# 2865  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 91 Resp: 434593  
Ion Ratio Lower Upper  
91 100  
106 30.6 24.8 37.2







#59

m/p-Xylene

Concen: 9.832 ppbv

RT: 9.539 min Scan# 2919

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

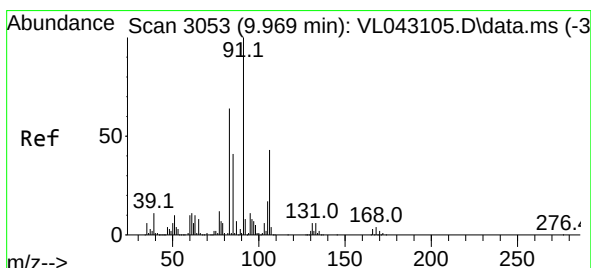
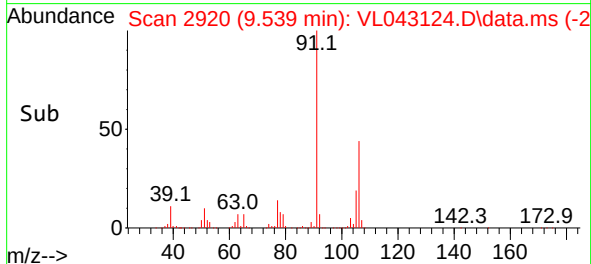
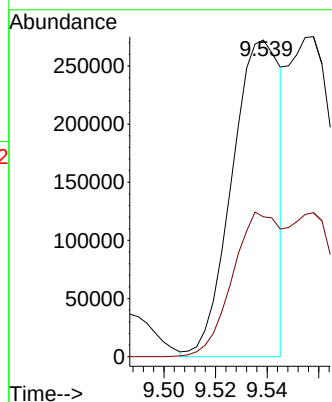
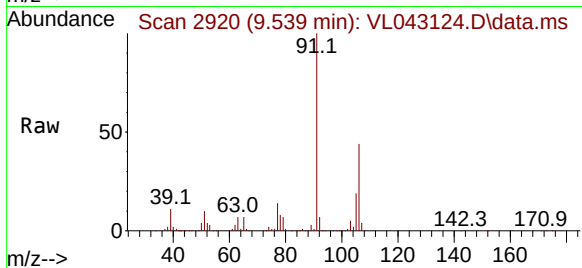
VSTDCCC010

Tgt Ion: 91 Resp: 352451

Ion Ratio Lower Upper

91 100

106 89.3 38.0 57.0#



#60

o-Xylene

Concen: 9.754 ppbv

RT: 9.969 min Scan# 3053

Delta R.T. -0.000 min

Lab File: VL043124.D

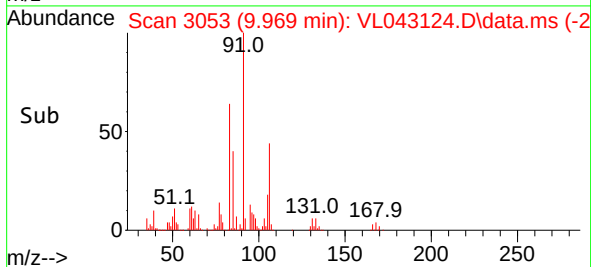
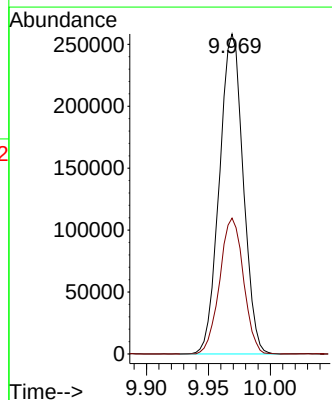
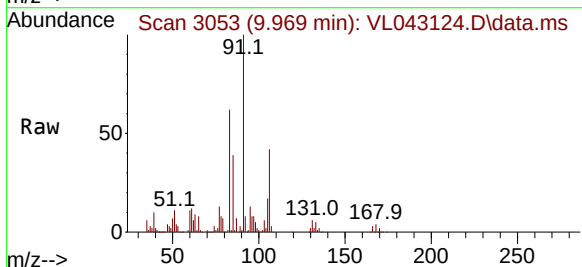
Acq: 16 Oct 2025 09:14

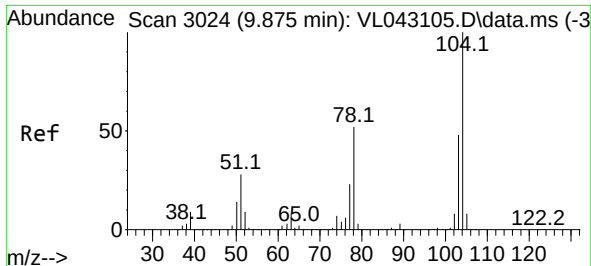
Tgt Ion: 91 Resp: 345330

Ion Ratio Lower Upper

91 100

106 42.5 21.9 65.8

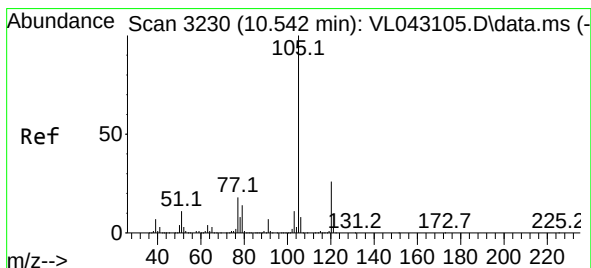
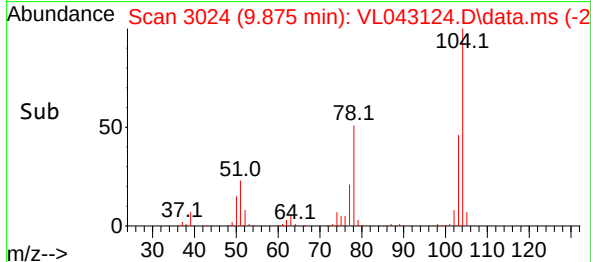
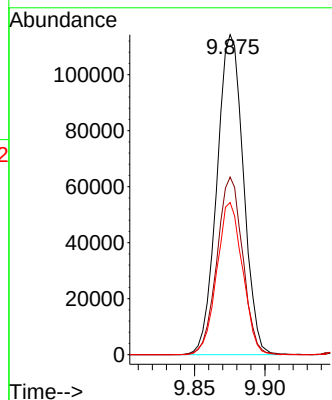
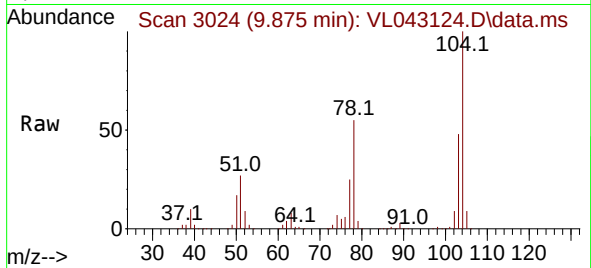




#61  
Styrene  
Concen: 9.359 ppbv  
RT: 9.875 min Scan# 3024  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

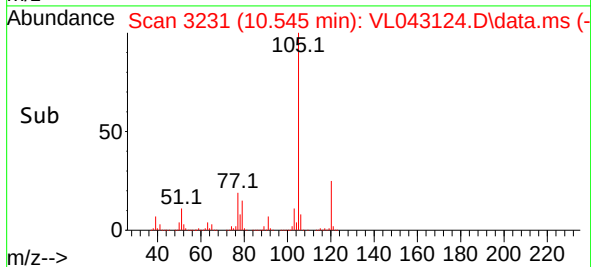
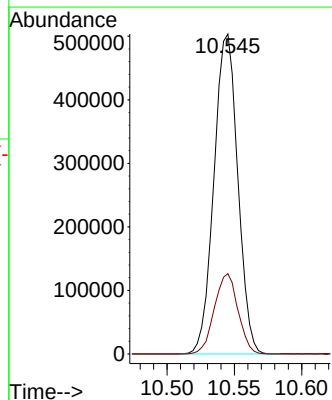
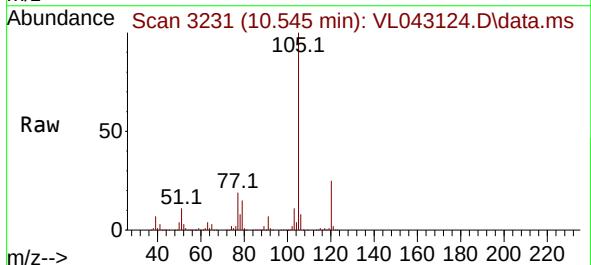
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

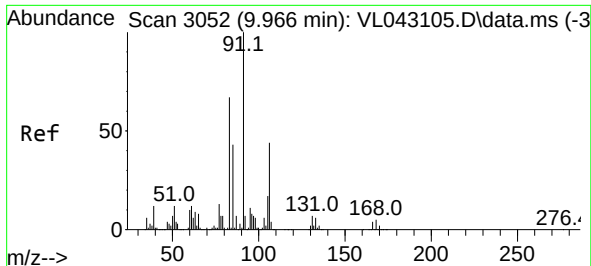
Tgt Ion:104 Resp: 149587  
Ion Ratio Lower Upper  
104 100  
78 53.9 40.2 60.2  
103 46.4 36.9 55.3



#62  
Isopropylbenzene  
Concen: 9.680 ppbv  
RT: 10.545 min Scan# 3231  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion:105 Resp: 619283  
Ion Ratio Lower Upper  
105 100  
120 24.8 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 9.104 ppbv

RT: 9.966 min Scan# 3052

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

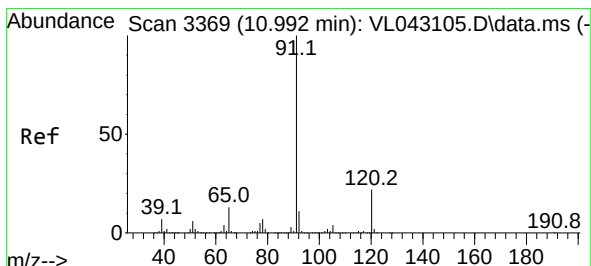
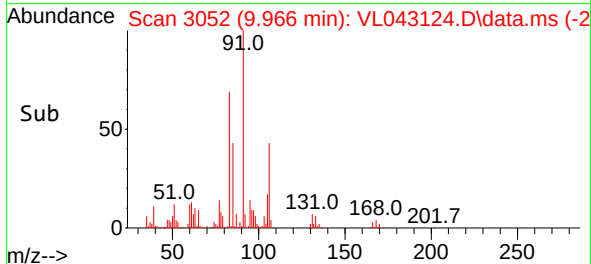
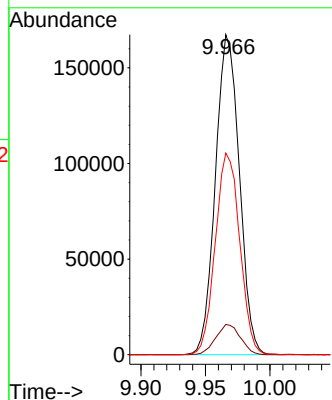
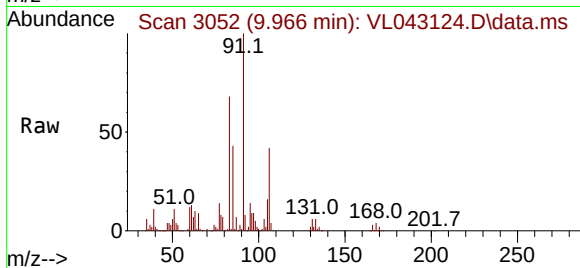
Tgt Ion: 83 Resp: 215827

Ion Ratio Lower Upper

83 100

131 9.7 4.8 14.3

85 64.3 32.0 96.0



#64

n-propylbenzene

Concen: 9.176 ppbv

RT: 10.992 min Scan# 3369

Delta R.T. -0.000 min

Lab File: VL043124.D

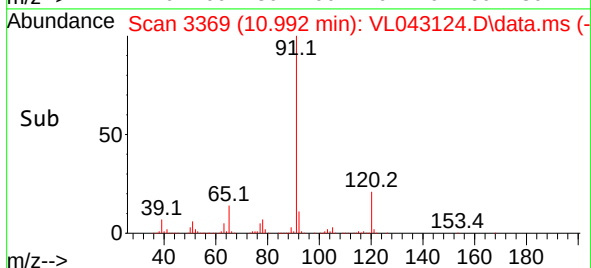
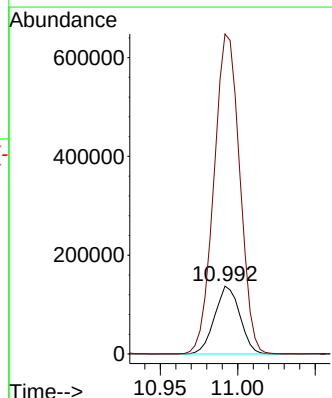
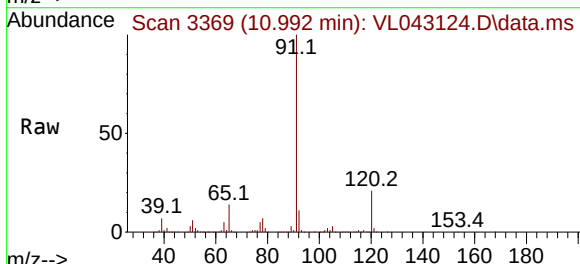
Acq: 16 Oct 2025 09:14

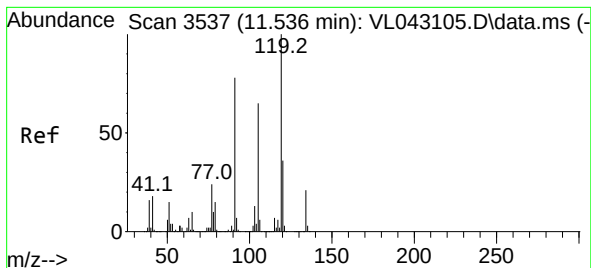
Tgt Ion: 120 Resp: 155421

Ion Ratio Lower Upper

120 100

91 484.2 361.6 542.4

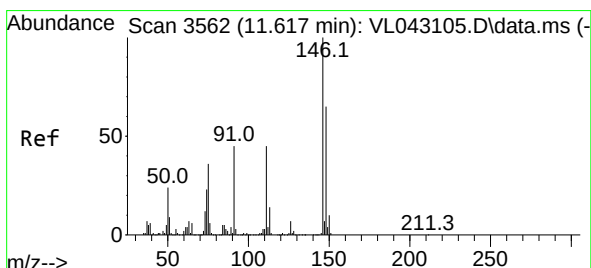
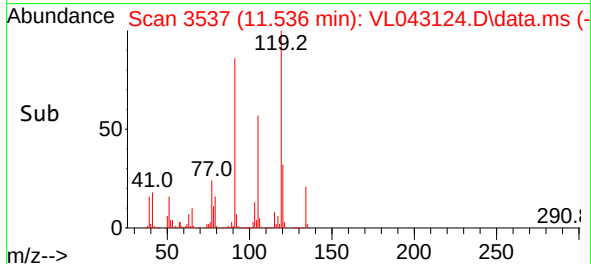
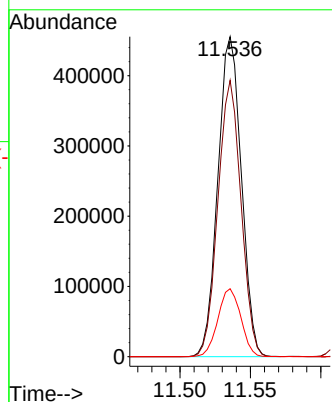
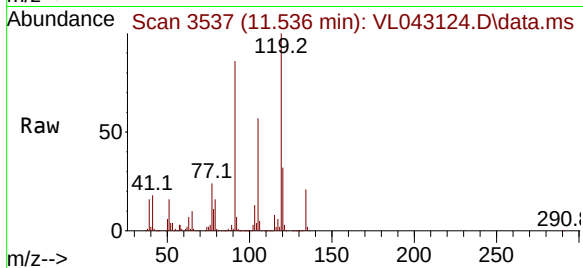




#65  
tert-Butylbenzene  
Concen: 9.377 ppbv  
RT: 11.536 min Scan# 3537  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

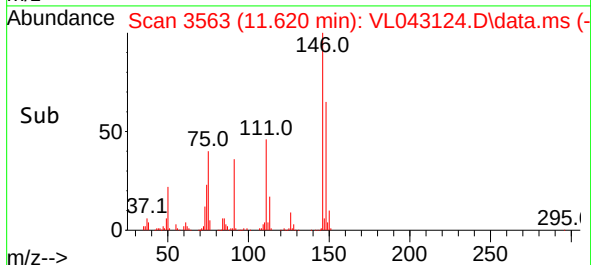
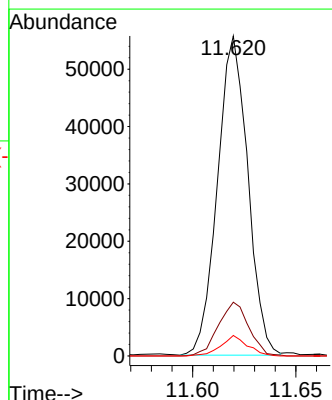
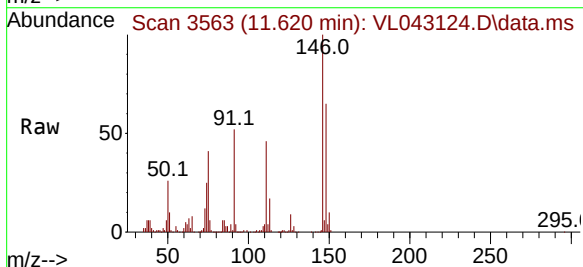
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

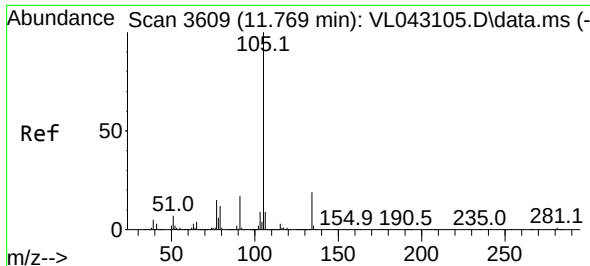
Tgt Ion:119 Resp: 529735  
Ion Ratio Lower Upper  
119 100  
91 84.8 63.4 95.0  
134 20.8 17.3 25.9



#66  
Benzyl Chloride  
Concen: 9.045 ppbv  
RT: 11.620 min Scan# 3563  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion: 91 Resp: 56872  
Ion Ratio Lower Upper  
91 100  
126 16.9 14.6 22.0  
128 5.6 4.6 6.8

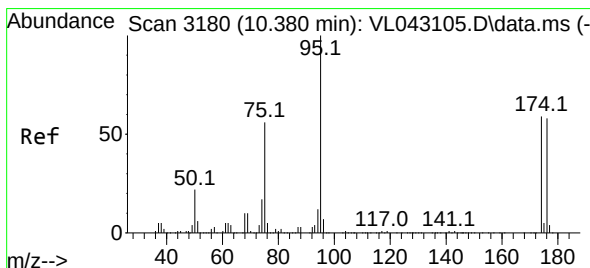
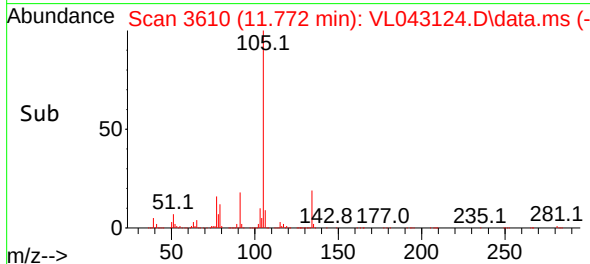
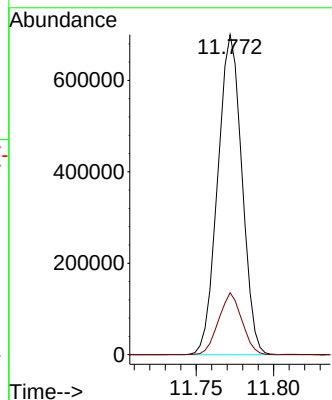
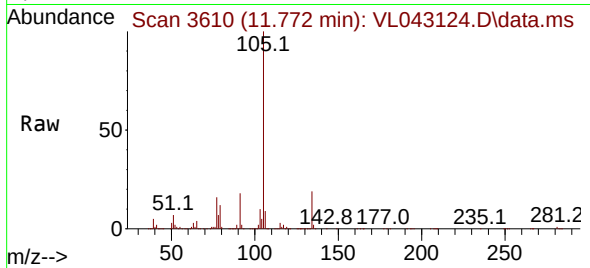




#67  
 sec-Butylbenzene  
 Concen: 9.476 ppbv  
 RT: 11.772 min Scan# 3610  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

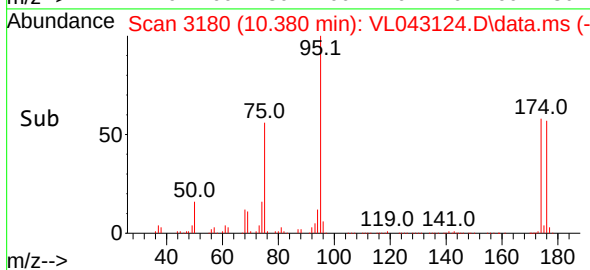
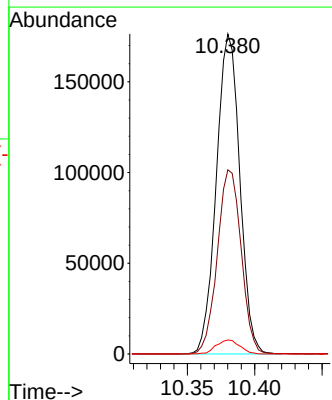
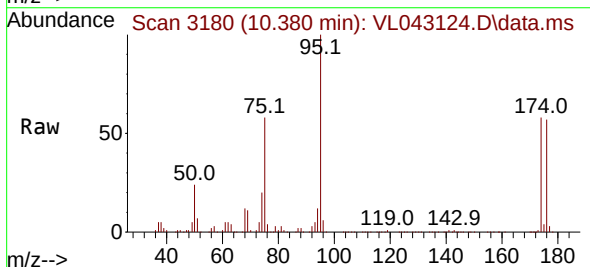
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010

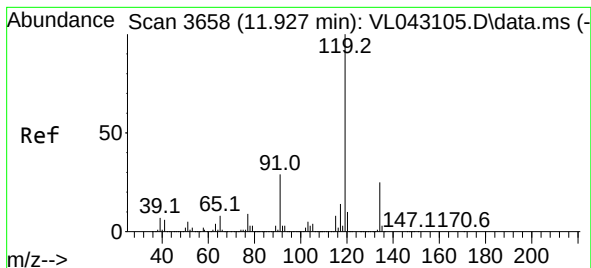
Tgt Ion:105 Resp: 759806  
 Ion Ratio Lower Upper  
 105 100  
 134 18.7 15.5 23.3



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.490 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. -0.000 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Tgt Ion: 95 Resp: 213533  
 Ion Ratio Lower Upper  
 95 100  
 174 58.5 48.3 72.5  
 175 4.4 3.8 5.8





#69

p-Isopropyltoluene

Concen: 9.417 ppbv

RT: 11.930 min Scan# 3

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

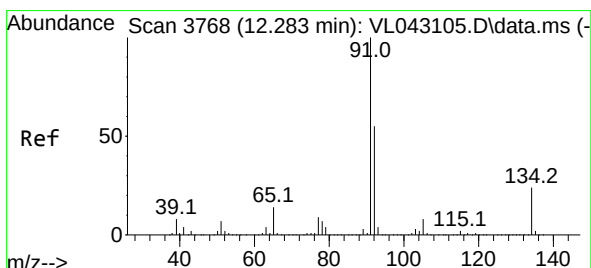
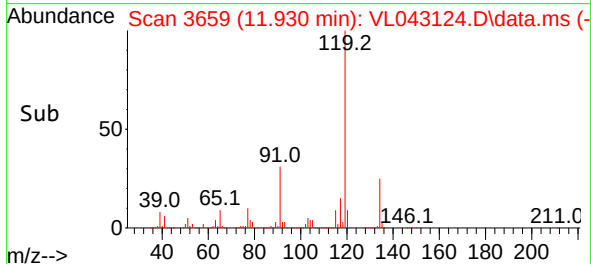
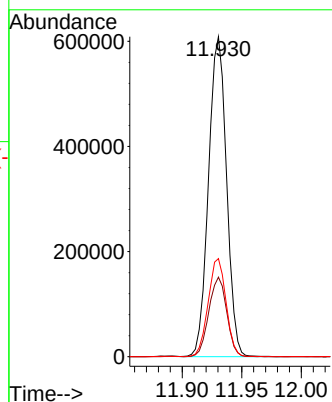
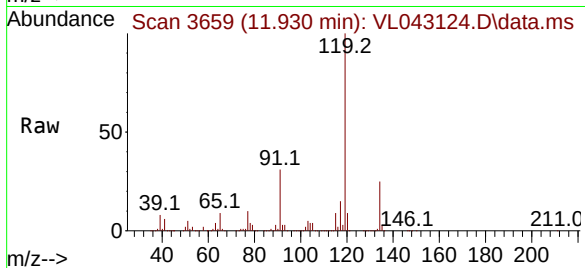
Tgt Ion:119 Resp: 641630

Ion Ratio Lower Upper

119 100

134 24.8 20.3 30.5

91 30.6 22.6 33.8



#70

n-Butylbenzene

Concen: 9.922 ppbv

RT: 12.286 min Scan# 3769

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

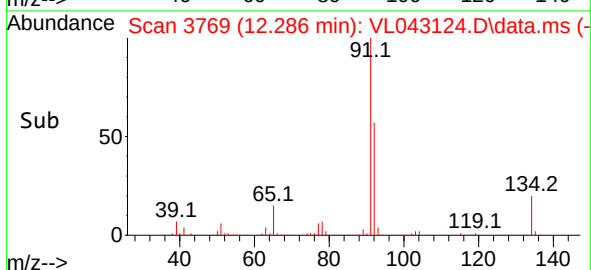
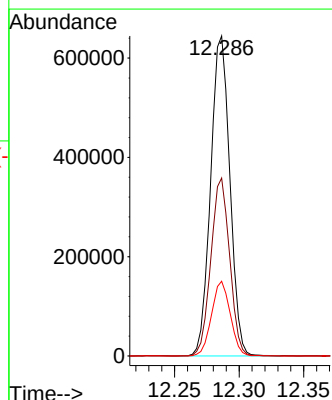
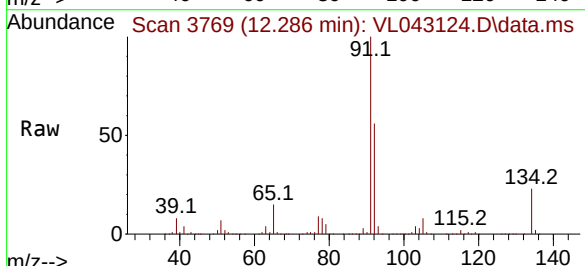
Tgt Ion: 91 Resp: 666160

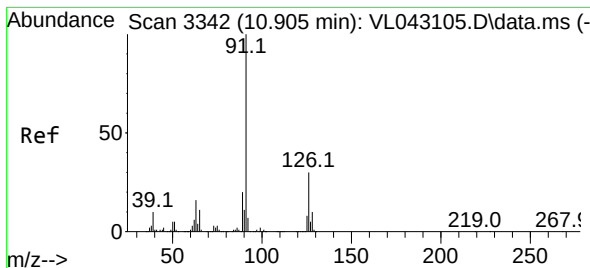
Ion Ratio Lower Upper

91 100

92 54.4 44.5 66.7

134 22.8 19.3 28.9

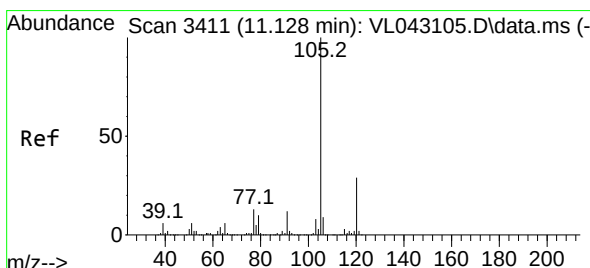
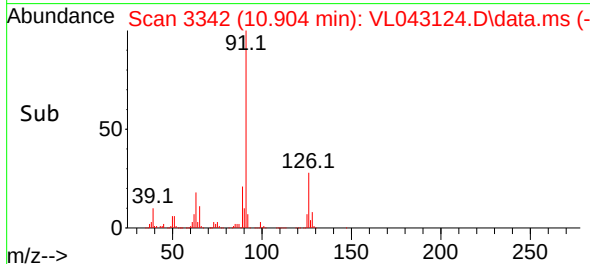
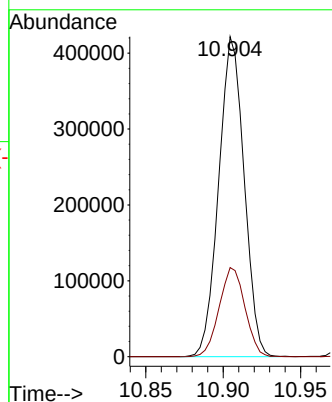
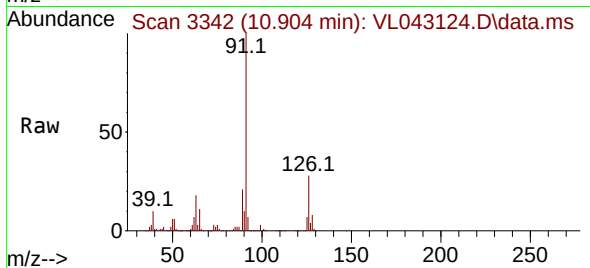




#71  
2-Chlorotoluene  
Concen: 9.853 ppbv  
RT: 10.904 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

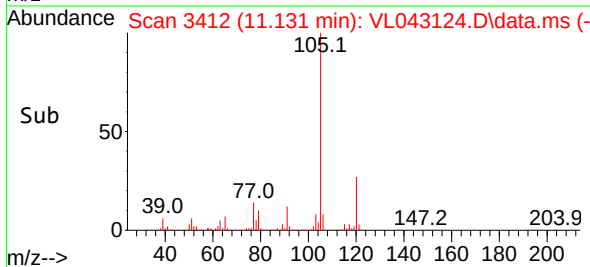
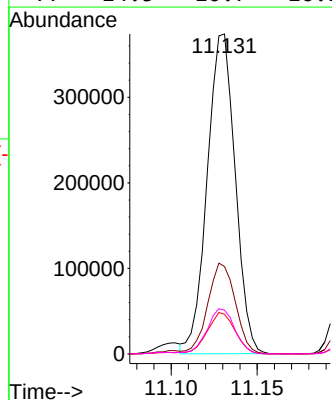
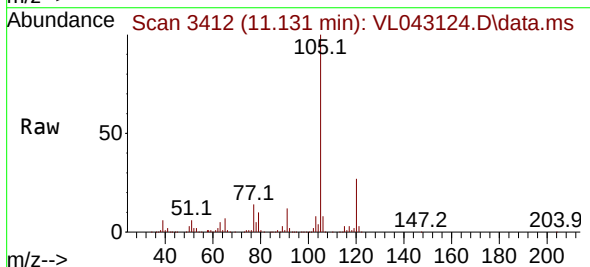
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

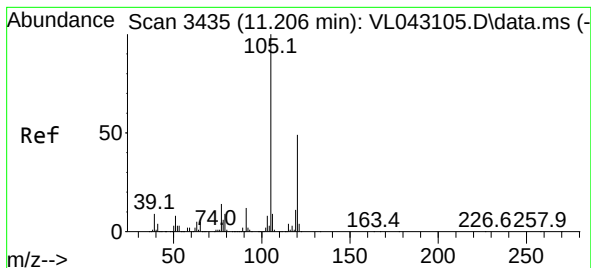
Tgt Ion: 91 Resp: 480779  
Ion Ratio Lower Upper  
91 100  
126 28.2 12.0 48.0



#72  
4-Ethyltoluene  
Concen: 9.723 ppbv  
RT: 11.131 min Scan# 3412  
Delta R.T. 0.003 min  
Lab File: VL043124.D  
Acq: 16 Oct 2025 09:14

Tgt Ion:105 Resp: 423270  
Ion Ratio Lower Upper  
105 100  
120 28.9 24.2 36.4  
91 13.4 10.0 15.0  
77 14.5 10.7 16.1





#73

1,3,5-Trimethylbenzene

Concen: 9.826 ppbv

RT: 11.209 min Scan# 34

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

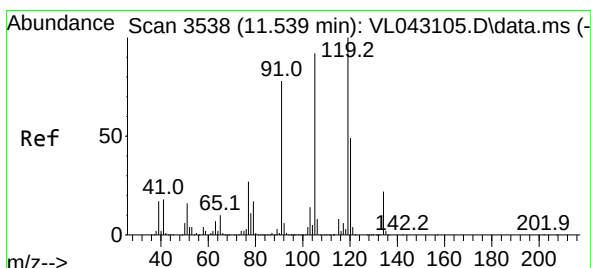
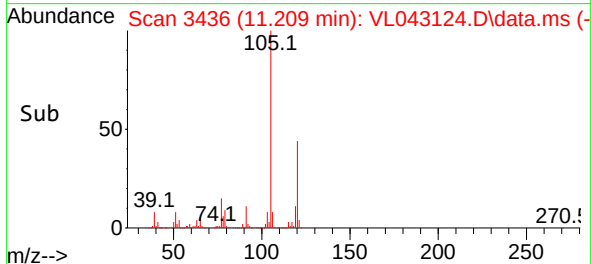
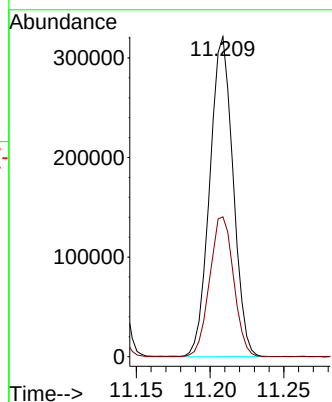
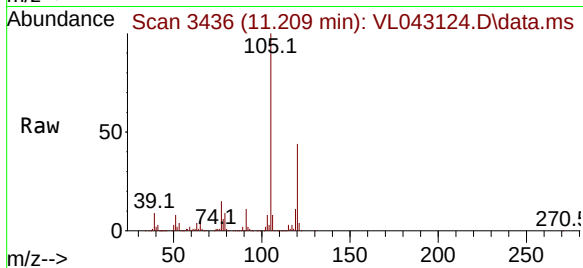
VSTDCCC010

Tgt Ion:105 Resp: 352795

Ion Ratio Lower Upper

105 100

120 43.7 39.0 58.6



#74

1,2,4-Trimethylbenzene

Concen: 9.539 ppbv

RT: 11.542 min Scan# 3539

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Tgt Ion:105 Resp: 383239

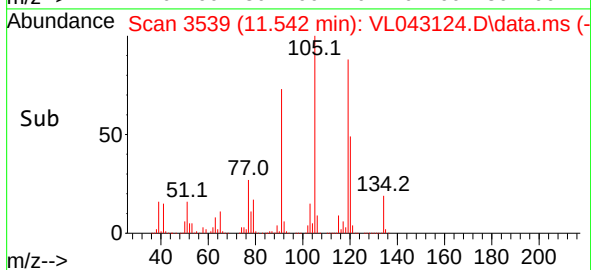
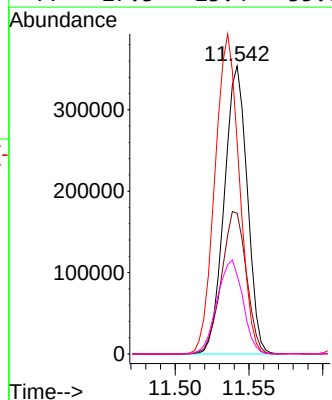
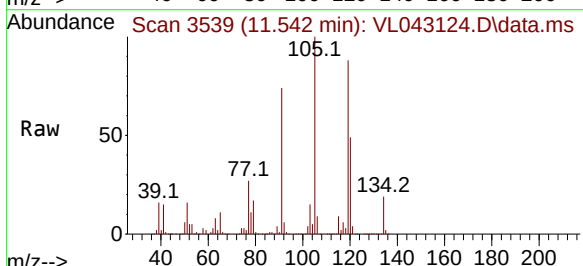
Ion Ratio Lower Upper

105 100

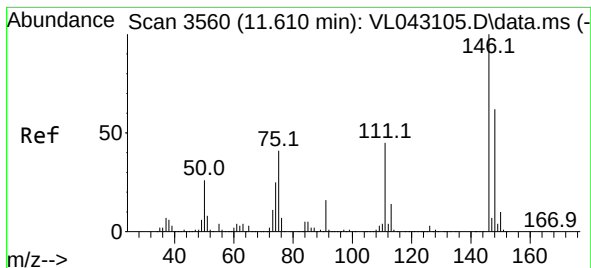
120 48.8 42.8 64.2

91 73.5 68.3 102.5

77 27.3 23.4 35.0







#75

1,3-Dichlorobenzene

Concen: 9.444 ppbv

RT: 11.610 min Scan# 3560

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

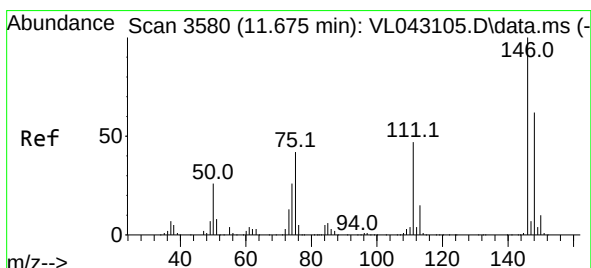
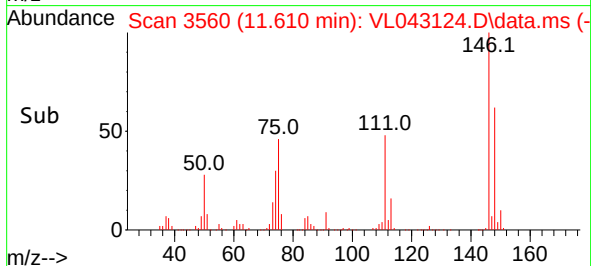
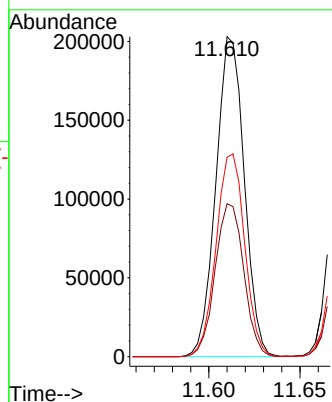
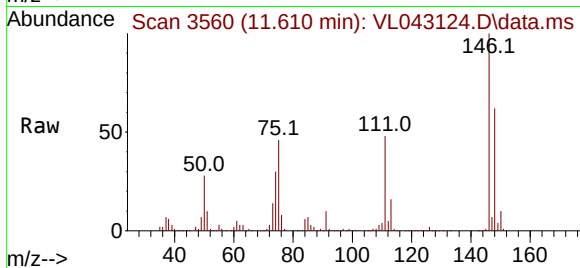
Tgt Ion:146 Resp: 220064

Ion Ratio Lower Upper

146 100

111 48.3 23.3 69.9

148 63.9 31.6 95.0



#76

1,4-Dichlorobenzene

Concen: 9.423 ppbv

RT: 11.675 min Scan# 3580

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

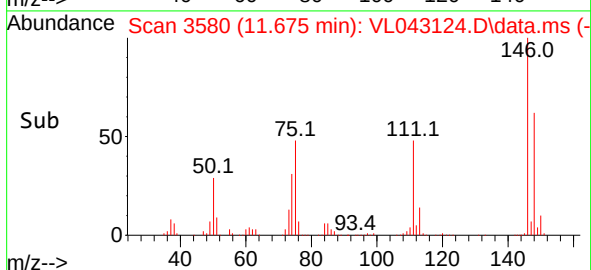
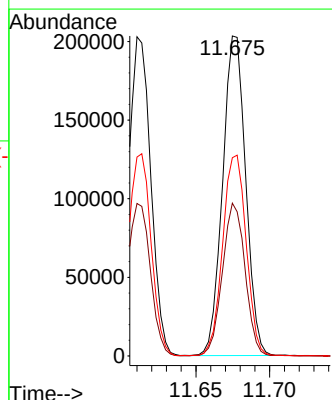
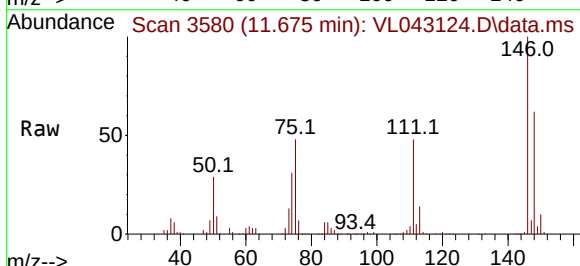
Tgt Ion:146 Resp: 221416

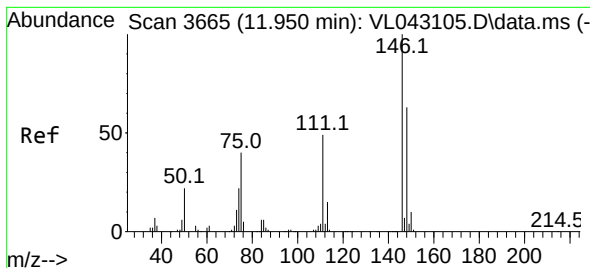
Ion Ratio Lower Upper

146 100

111 47.1 22.4 67.0

148 64.4 31.6 94.7





#77

1,2-Dichlorobenzene

Concen: 9.262 ppbv

RT: 11.950 min Scan# 3665

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

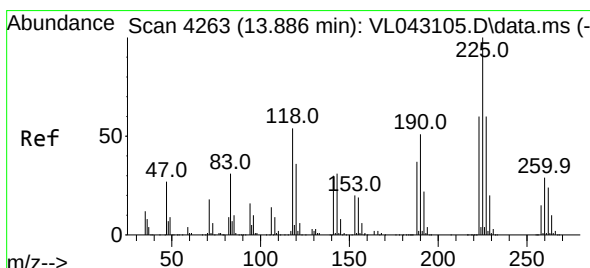
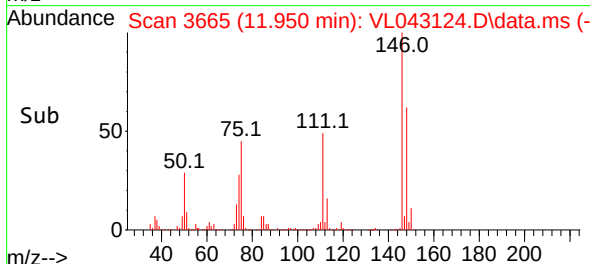
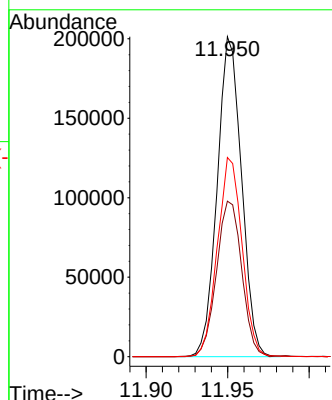
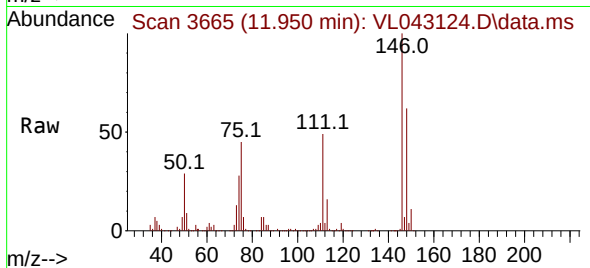
Tgt Ion:146 Resp: 208785

Ion Ratio Lower Upper

146 100

111 50.6 24.0 72.0

148 63.1 31.1 93.3



#78

Hexachloro-1,3-Butadiene

Concen: 8.700 ppbv

RT: 13.885 min Scan# 4263

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

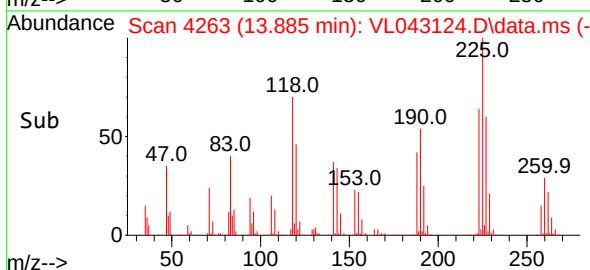
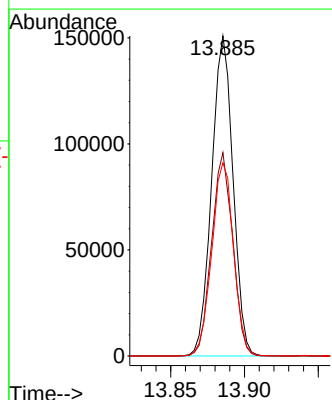
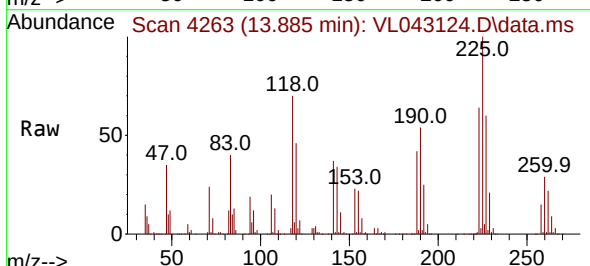
Tgt Ion:225 Resp: 151849

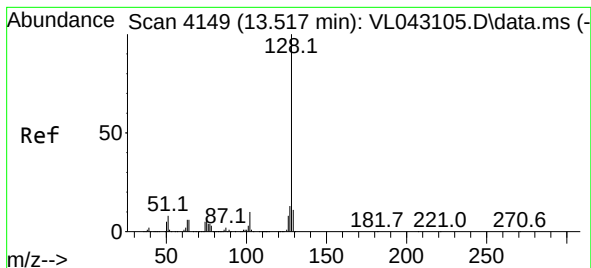
Ion Ratio Lower Upper

225 100

223 62.8 50.2 75.4

227 61.6 49.6 74.4





#79

Naphthalene

Concen: 10.148 ppbv

RT: 13.516 min Scan# 4149

Delta R.T. -0.000 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

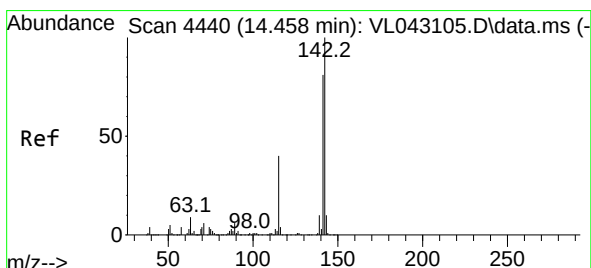
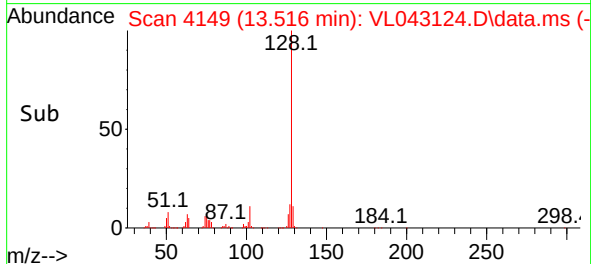
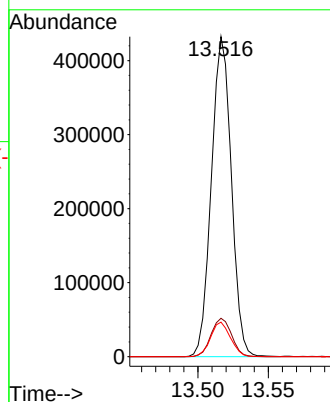
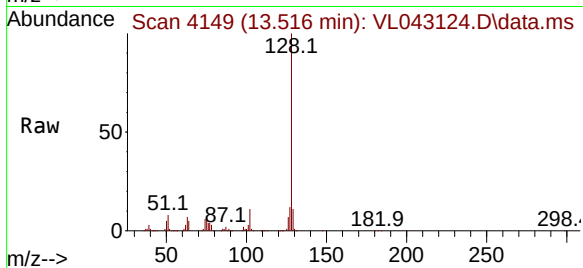
Tgt Ion:128 Resp: 426155

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

129 10.8 9.1 13.7



#80

Naphthalene, 2-methyl-

Concen: 11.080 ppbv

RT: 14.461 min Scan# 4441

Delta R.T. 0.003 min

Lab File: VL043124.D

Acq: 16 Oct 2025 09:14

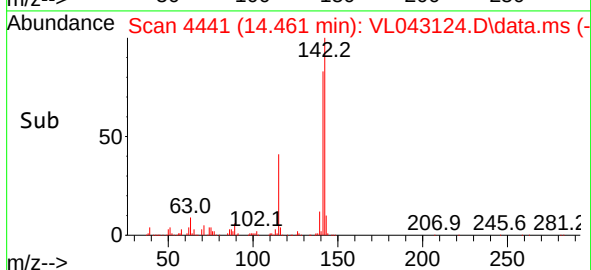
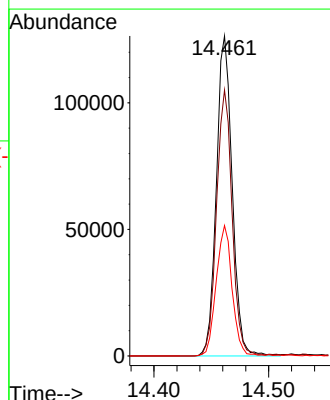
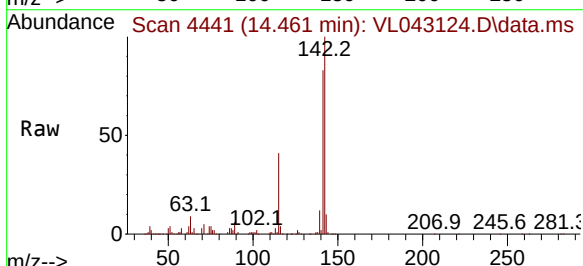
Tgt Ion:142 Resp: 121228

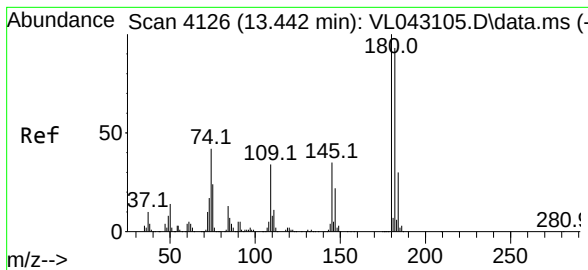
Ion Ratio Lower Upper

142 100

141 82.4 64.6 97.0

115 41.7 30.2 45.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 9.793 ppbv  
 RT: 13.445 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL043124.D  
 Acq: 16 Oct 2025 09:14

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 170691 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.1  | 75.5  | 113.3  |
| 184      | 29.5  | 23.9  | 35.9   |

