

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111423\  
 Data File : VL040863.D  
 Acq On : 15 Nov 2023 7:29  
 Operator : SY/MD  
 Sample : VSTDC0010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDC0010EC

Quant Time: Nov 22 00:44:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Nov 20 03:50:24 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.185  | 49   | 894798   | 10.000 | ppbv  | -0.03    |
| 33) 1,4-Difluorobenzene | 6.642  | 114  | 2759400  | 10.000 | ppbv  | -0.02    |
| 55) Chlorobenzene-d5    | 11.436 | 117  | 3290912  | 10.000 | ppbv  | -0.03    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.741 | 95    | 2057302  | 7.985    | ppbv | -0.03   |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 79.800% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.758 | 85  | 1981658 | 10.924 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.703 | 51  | 1597384 | 11.181 | ppbv   | 99     |
| 4) Chloromethane              | 2.838 | 50  | 591636  | 11.516 | ppbv   | 100    |
| 5) Vinyl Chloride             | 2.944 | 62  | 614638  | 12.029 | ppbv   | 99     |
| 6) Bromomethane               | 3.140 | 94  | 219611  | 11.260 | ppbv   | 97     |
| 7) Chloroethane               | 3.217 | 64  | 209411  | 11.836 | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 2.883 | 85  | 1476329 | 11.272 | ppbv   | 99     |
| 9) Propene                    | 2.722 | 41  | 558168  | 11.593 | ppbv   | 100    |
| 10) Heptane                   | 7.561 | 43  | 1363234 | 11.510 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.574 | 101 | 1587718 | 11.391 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.073 | 101 | 1152314 | 11.638 | ppbv   | 99     |
| 13) Ethanol                   | 3.256 | 45  | 102895  | 11.006 | ppbv # | 100    |
| 14) Bromoethene               | 3.381 | 108 | 478277  | 12.009 | ppbv   | 98     |
| 15) Acetone                   | 3.481 | 43  | 1093446 | 11.474 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.008 | 39  | 601979  | 12.486 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 3.886 | 59  | 1087810 | 13.348 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.889 | 96  | 492827  | 11.167 | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 3.590 | 45  | 767605  | 13.384 | ppbv   | 100    |
| 20) Methylene Chloride        | 3.941 | 84  | 417821  | 10.624 | ppbv   | 98     |
| 21) Allyl Chloride            | 4.005 | 41  | 746375  | 12.238 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.449 | 96  | 543184  | 10.845 | ppbv   | 93     |
| 23) Vinyl Acetate             | 4.626 | 43  | 1352000 | 10.987 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.565 | 63  | 1089232 | 9.931  | ppbv   | 98     |
| 25) Ethyl Acetate             | 5.198 | 43  | 1930543 | 9.784  | ppbv   | 99     |
| 26) Hexane                    | 5.208 | 57  | 833920  | 9.549  | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.131 | 76  | 1281765 | 11.574 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.587 | 73  | 809131  | 10.245 | ppbv   | 99     |
| 29) Chloroform                | 5.269 | 83  | 1375116 | 9.290  | ppbv   | 98     |
| 30) Cyclohexane               | 6.587 | 84  | 869411  | 11.572 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 5.076 | 61  | 840890  | 9.730  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 5.992 | 97  | 1633301 | 11.827 | ppbv   | 100    |
| 34) 2-Butanone                | 4.783 | 43  | 1234521 | 8.782  | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.481 | 117 | 1735741 | 10.252 | ppbv   | 97     |
| 36) Benzene                   | 6.359 | 78  | 2139914 | 9.555  | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 5.799 | 62  | 1257993 | 9.524  | ppbv   | 99     |
| 38) Trichloroethene           | 7.272 | 130 | 840130  | 9.651  | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 7.057 | 63  | 842868  | 9.492  | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.266 | 88  | 345187  | 9.797  | ppbv # | 95     |
| 41) Tetrahydrofuran           | 5.552 | 42  | 864506  | 9.989  | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.230 | 83  | 1841048 | 9.740  | ppbv   | 96     |
| 43) Methyl Methacrylate       | 7.455 | 69  | 891186  | 10.443 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 7.311 | 57  | 3550849 | 9.545  | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.687 | 75  | 577076  | 11.507 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111423\  
 Data File : VL040863.D  
 Acq On : 15 Nov 2023 7:29  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

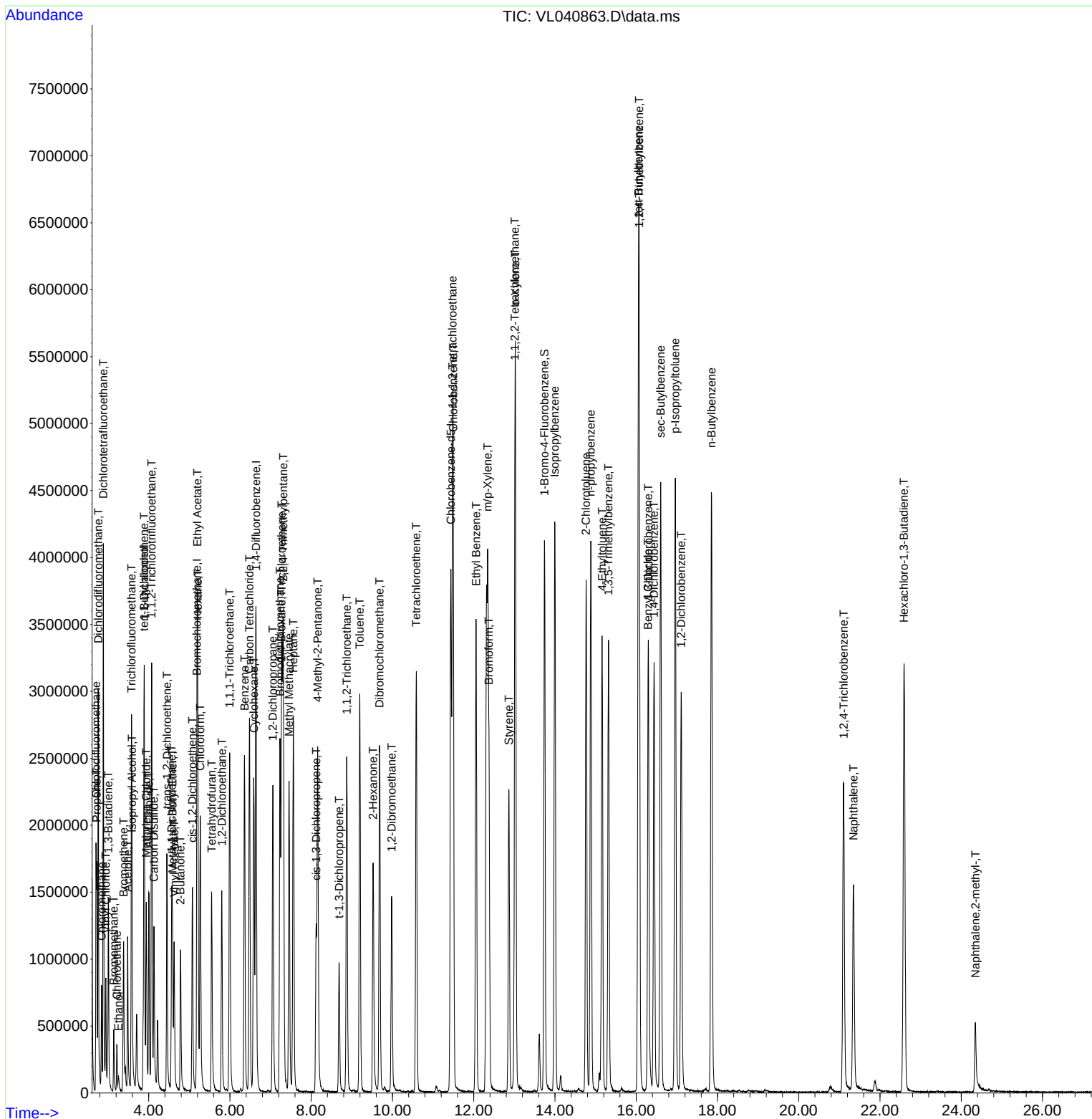
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

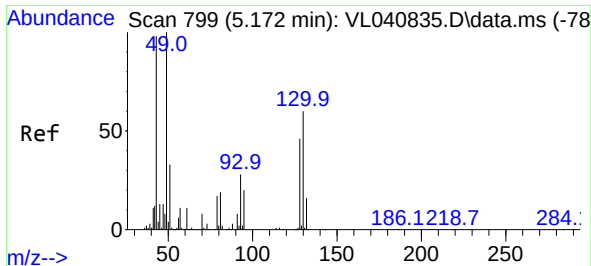
Quant Time: Nov 22 00:44:58 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Nov 20 03:50:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.121  | 75   | 712641   | 10.959 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.876  | 97   | 902457   | 9.699  | ppbv   | 96       |
| 48) Dibromochloromethane      | 9.680  | 129  | 1607861  | 10.414 | ppbv   | 100      |
| 49) Bromoform                 | 12.375 | 173  | 1245839  | 10.729 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.159  | 43   | 2243550  | 10.313 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.523  | 43   | 1664216  | 10.852 | ppbv # | 100      |
| 52) Tetrachloroethene         | 10.587 | 164  | 751066   | 9.959  | ppbv   | 97       |
| 53) Toluene                   | 9.195  | 91   | 2465520  | 10.005 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 9.979  | 107  | 1226503  | 10.243 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 11.478 | 131  | 1131497  | 8.033  | ppbv   | 97       |
| 57) Chlorobenzene             | 11.497 | 112  | 1900470  | 7.791  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.060 | 91   | 3344677  | 7.789  | ppbv   | 99       |
| 59) m/p-Xylene                | 12.339 | 91   | 2989477  | 8.176  | ppbv # | 39       |
| 60) o-Xylene                  | 13.024 | 91   | 2630415  | 7.557  | ppbv   | 100      |
| 61) Styrene                   | 12.867 | 104  | 1403045  | 8.358  | ppbv   | 99       |
| 62) Isopropylbenzene          | 13.995 | 105  | 3915474  | 7.614  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.015 | 83   | 1886031  | 7.645  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.883 | 120  | 1037508  | 8.050  | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.056 | 119  | 3405461  | 7.854  | ppbv   | 98       |
| 66) Benzyl Chloride           | 16.291 | 91   | 131492   | 8.229  | ppbv # | 98       |
| 67) sec-Butylbenzene          | 16.603 | 105  | 4772714  | 7.705  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.963 | 119  | 3894567  | 7.885  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.850 | 91   | 4054278  | 7.773  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.767 | 91   | 3023479  | 7.712  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.159 | 105  | 3089337  | 8.074  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.317 | 105  | 2648137  | 7.825  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.072 | 105  | 2874197  | 7.611  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.294 | 146  | 1653856  | 7.931  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.439 | 146  | 1607496  | 8.052  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.108 | 146  | 1583836  | 7.811  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.590 | 225  | 897635   | 7.071  | ppbv   | 100      |
| 79) Naphthalene               | 21.349 | 128  | 2058501  | 10.605 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.348 | 142  | 439377   | 12.823 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.104 | 180  | 1023887  | 8.677  | ppbv   | 99       |

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

Quant Time: Nov 22 00:44:58 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Mon Nov 20 03:50:24 2023  
Response via : Initial Calibration

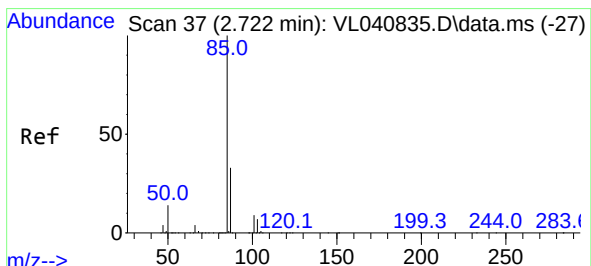
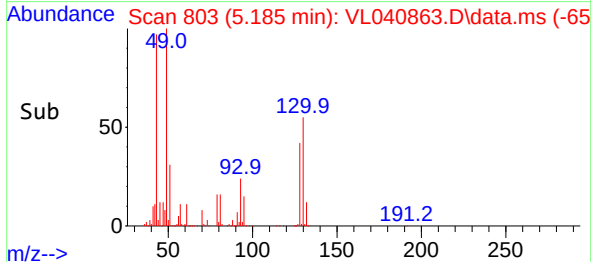
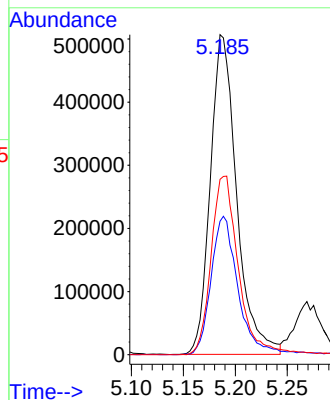
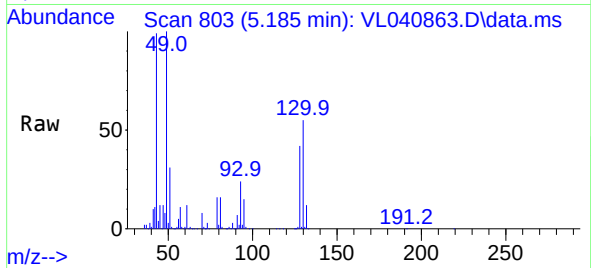




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.185 min Scan# 80  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

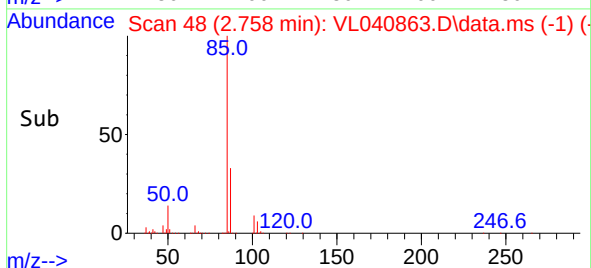
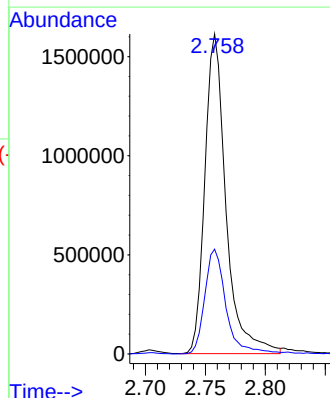
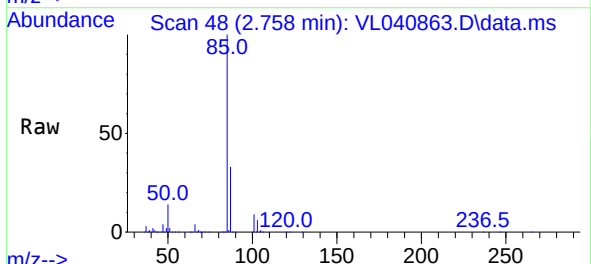
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

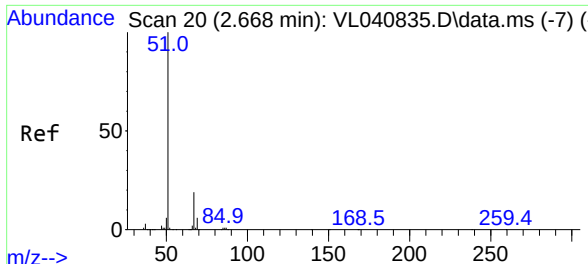
Tgt Ion: 49 Resp: 894798  
Ion Ratio Lower Upper  
49 100  
128 45.4 23.8 71.2  
130 58.6 30.9 92.8



#2  
Dichlorodifluoromethane  
Concen: 10.924 ppbv  
RT: 2.758 min Scan# 48  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 85 Resp: 1981658  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.7 40.1

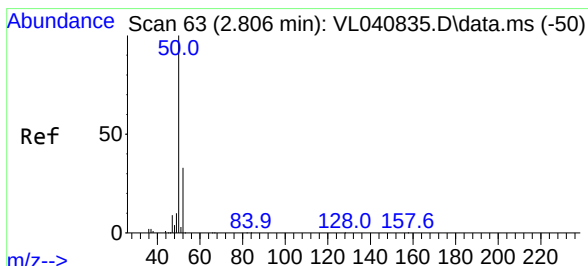
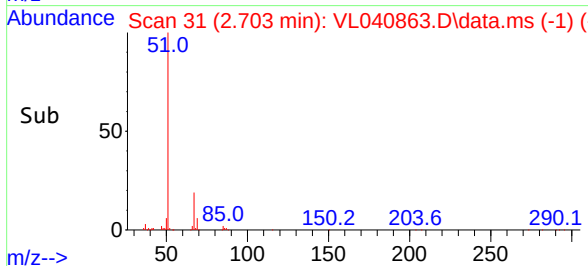
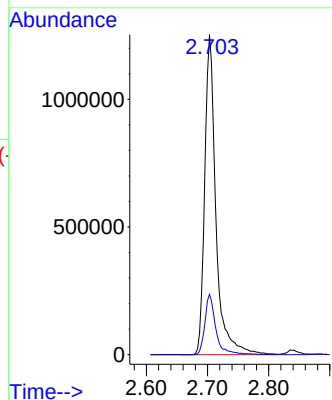
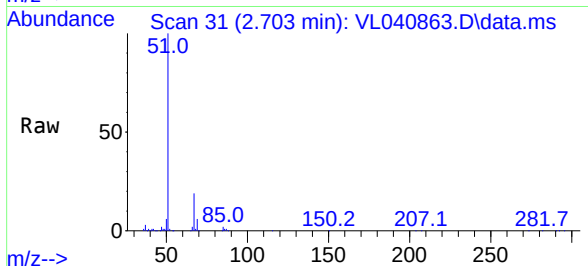




#3  
Chlorodifluoromethane  
Concen: 11.181 ppbv  
RT: 2.703 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

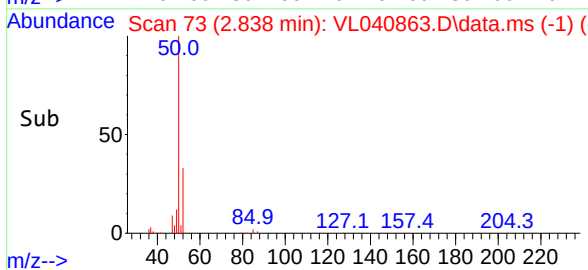
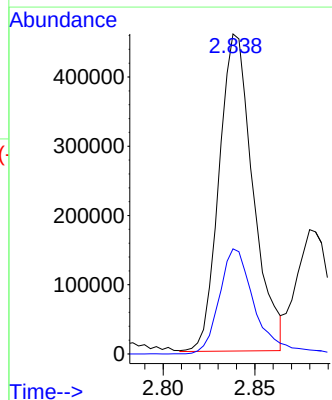
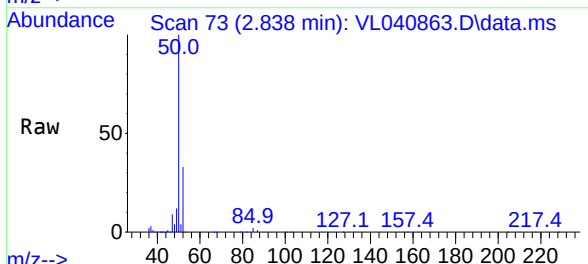
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 51 Resp: 1597384  
Ion Ratio Lower Upper  
51 100  
67 18.5 15.0 22.4

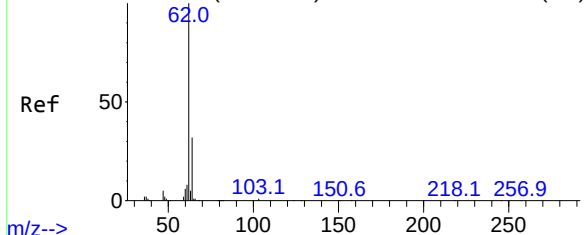


#4  
Chloromethane  
Concen: 11.516 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 50 Resp: 591636  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.5 39.7



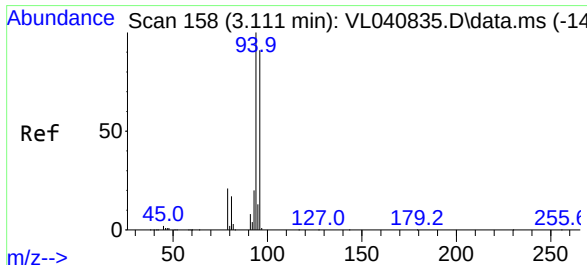
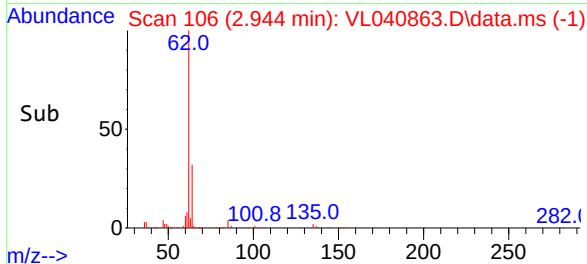
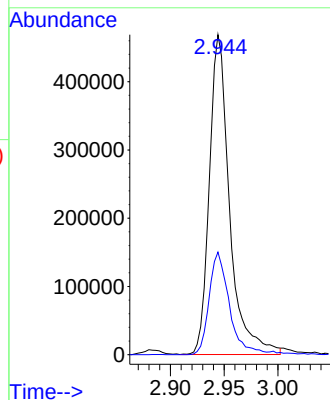
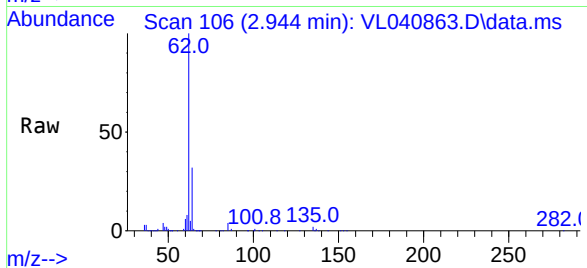
Abundance Scan 96 (2.912 min): VL040835.D\data.ms (-86)



#5  
Vinyl Chloride  
Concen: 12.029 ppbv  
RT: 2.944 min Scan# 106  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

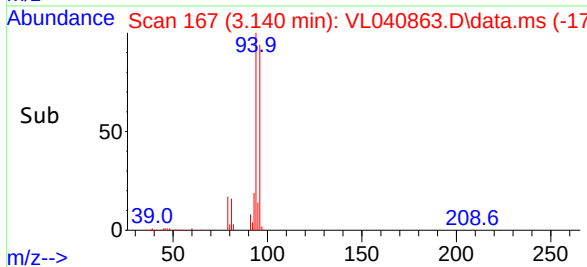
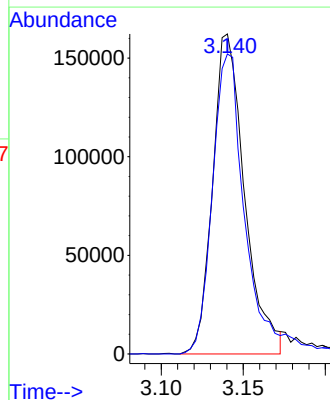
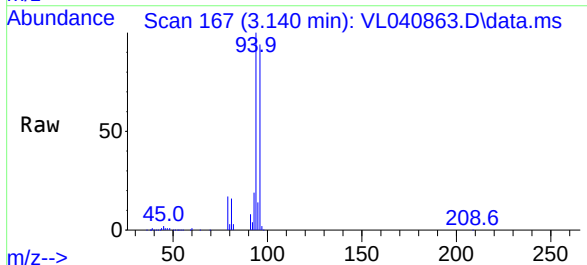
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

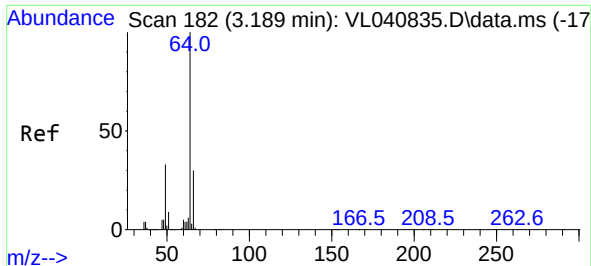
Tgt Ion: 62 Resp: 614638  
Ion Ratio Lower Upper  
62 100  
64 32.1 25.4 38.2



#6  
Bromomethane  
Concen: 11.260 ppbv  
RT: 3.140 min Scan# 167  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 94 Resp: 219611  
Ion Ratio Lower Upper  
94 100  
96 93.7 73.0 109.4

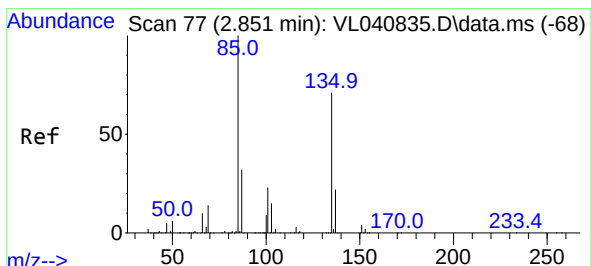
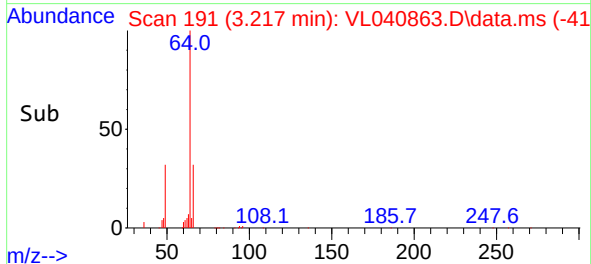
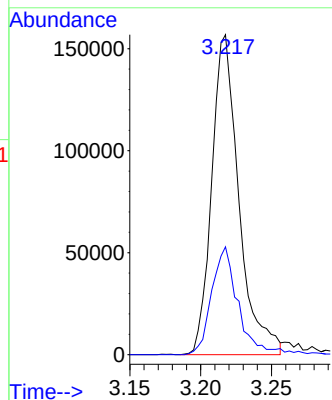
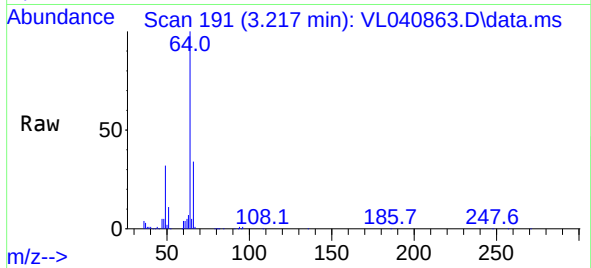




#7  
Chloroethane  
Concen: 11.836 ppbv  
RT: 3.217 min Scan# 11  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

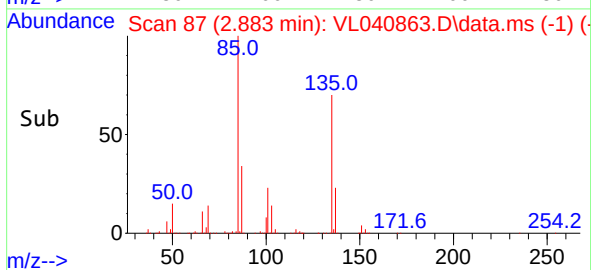
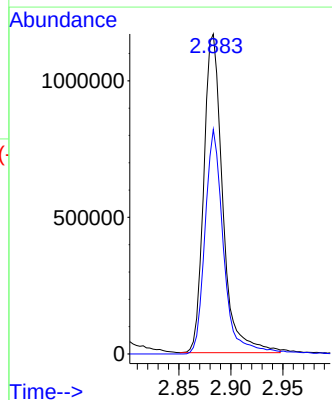
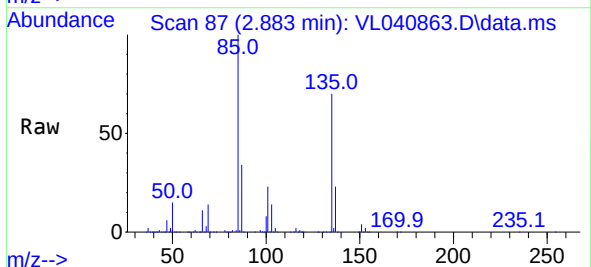
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 64 Resp: 209411  
Ion Ratio Lower Upper  
64 100  
66 33.7 23.8 35.6

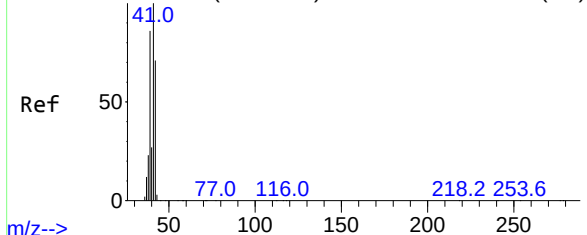


#8  
Dichlorotetrafluoroethane  
Concen: 11.272 ppbv  
RT: 2.883 min Scan# 87  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 85 Resp: 1476329  
Ion Ratio Lower Upper  
85 100  
135 69.9 55.3 82.9



Abundance Scan 26 (2.687 min): VL040835.D\data.ms (-18)



#9

Propene

Concen: 11.593 ppbv

RT: 2.722 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

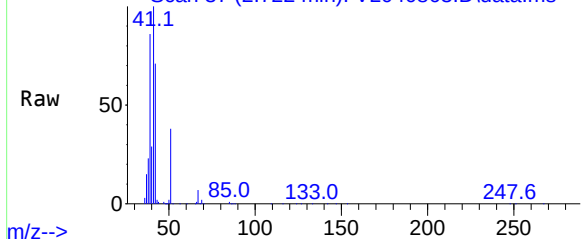
Tgt Ion: 41 Resp: 558168

Ion Ratio Lower Upper

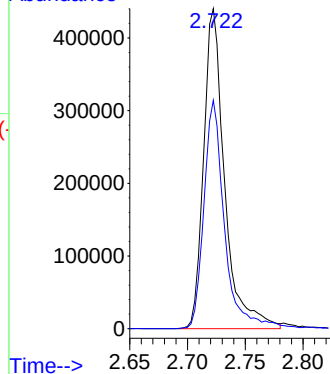
41 100

42 70.5 56.5 84.7

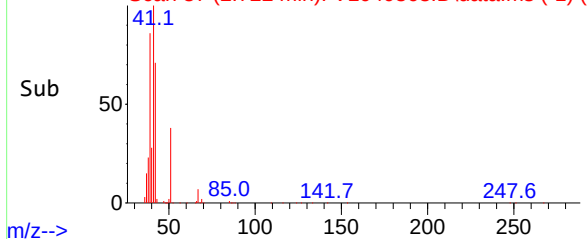
Abundance Scan 37 (2.722 min): VL040863.D\data.ms



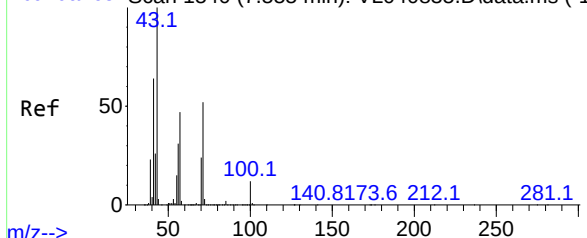
Abundance



Abundance Scan 37 (2.722 min): VL040863.D\data.ms (-1)



Abundance Scan 1540 (7.555 min): VL040835.D\data.ms (-1)



#10

Heptane

Concen: 11.510 ppbv

RT: 7.561 min Scan# 1542

Delta R.T. -0.026 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

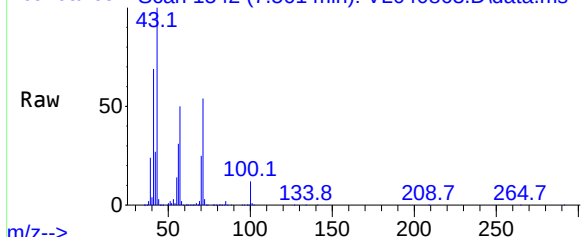
Tgt Ion: 43 Resp: 1363234

Ion Ratio Lower Upper

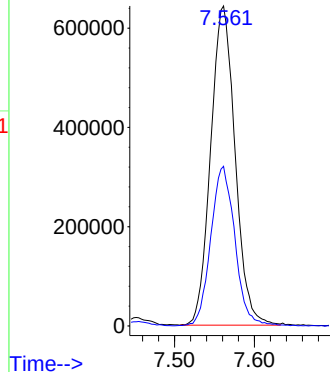
43 100

57 49.7 39.4 59.0

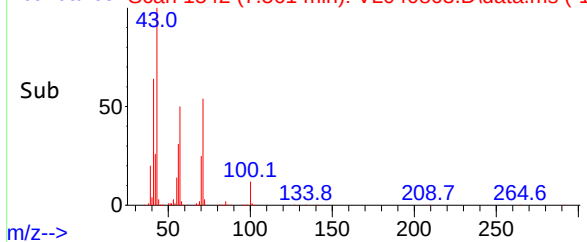
Abundance Scan 1542 (7.561 min): VL040863.D\data.ms



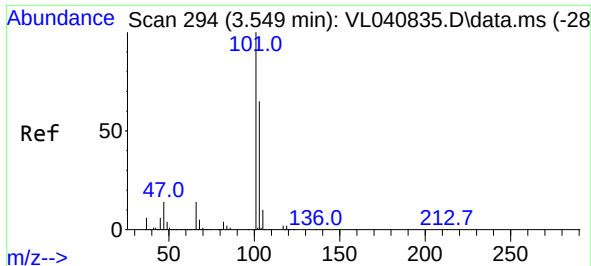
Abundance



Abundance Scan 1542 (7.561 min): VL040863.D\data.ms (-1)



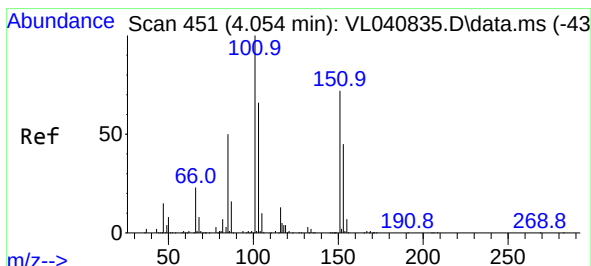
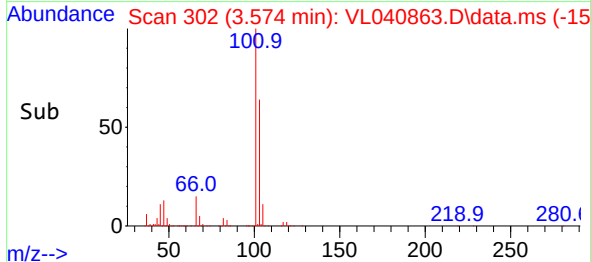
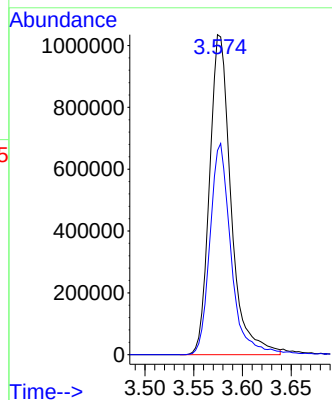
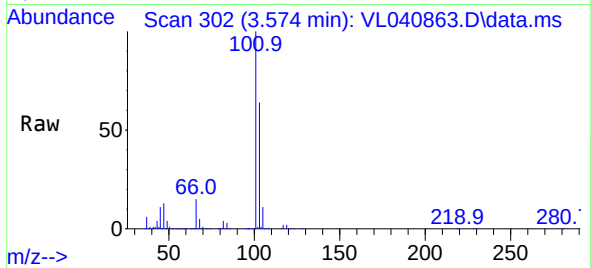




#11  
 Trichlorofluoromethane  
 Concen: 11.391 ppbv  
 RT: 3.574 min Scan# 302  
 Delta R.T. -0.020 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

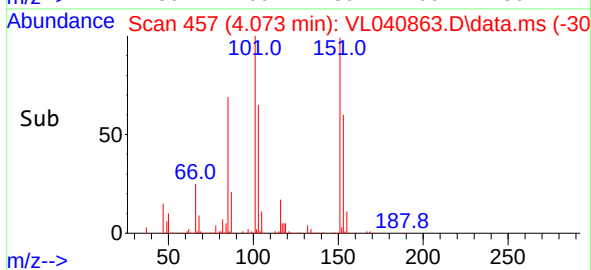
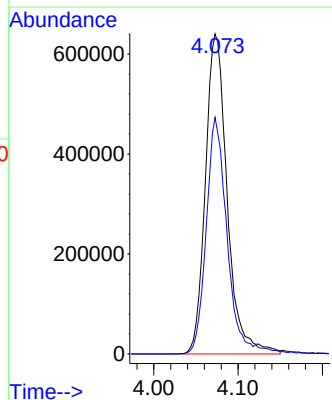
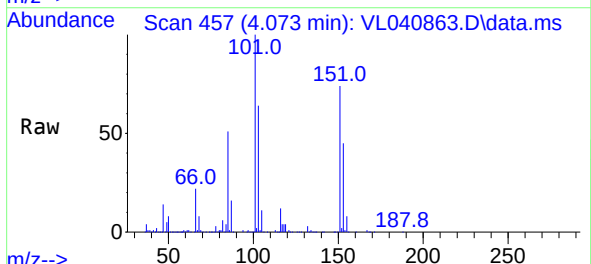
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

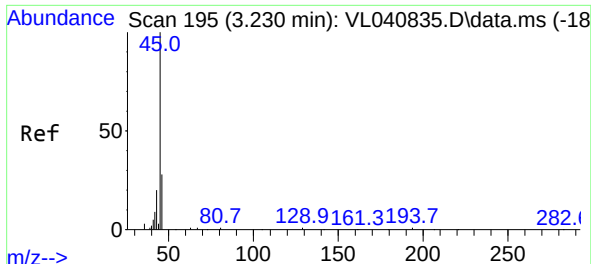
Tgt Ion:101 Resp: 1587718  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 11.638 ppbv  
 RT: 4.073 min Scan# 457  
 Delta R.T. -0.023 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Tgt Ion:101 Resp: 1152314  
 Ion Ratio Lower Upper  
 101 100  
 151 71.3 57.8 86.6





#13

Ethanol

Concen: 11.006 ppbv

RT: 3.256 min Scan# 203

Delta R.T. -0.023 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

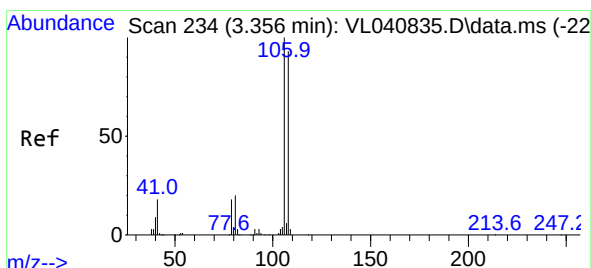
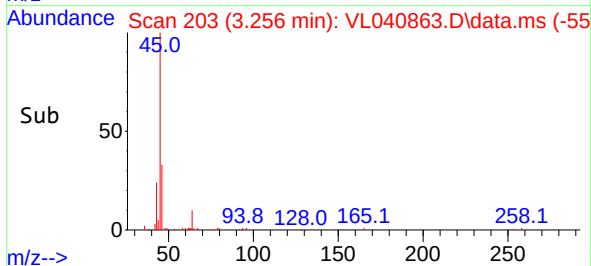
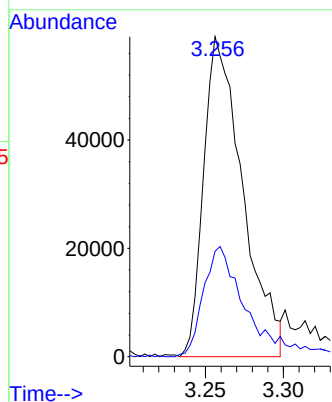
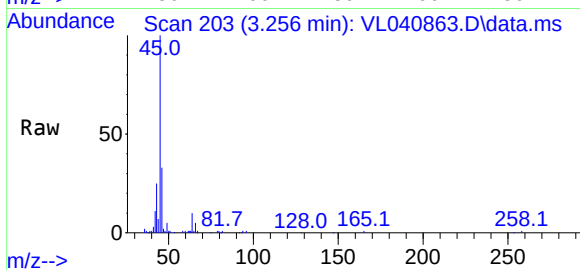
VSTDCCC010EC

Tgt Ion: 45 Resp: 102895

Ion Ratio Lower Upper

45 100

46 38.9 0.0 0.0#



#14

Bromoethene

Concen: 12.009 ppbv

RT: 3.381 min Scan# 242

Delta R.T. -0.020 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

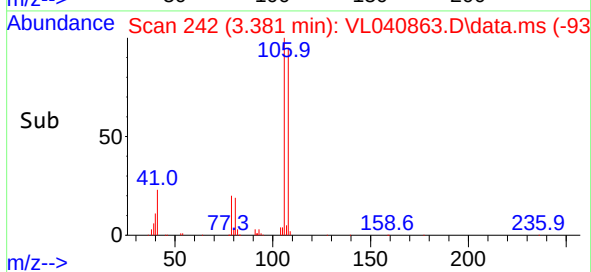
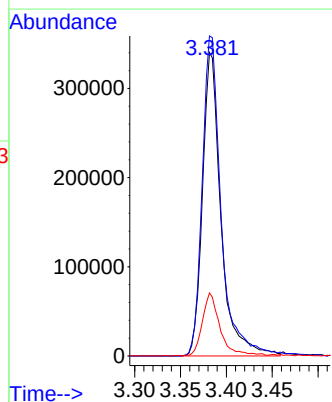
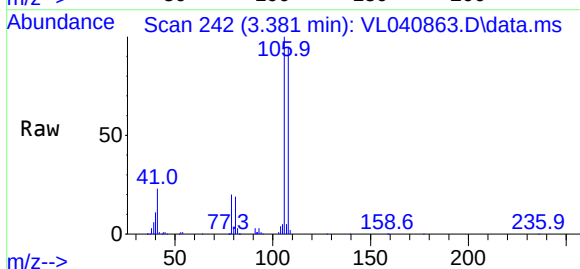
Tgt Ion: 108 Resp: 478277

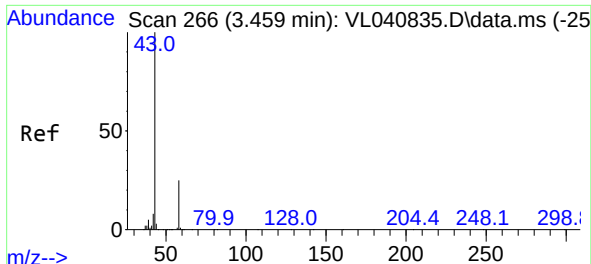
Ion Ratio Lower Upper

108 100

106 108.8 85.4 128.2

79 20.6 16.7 25.1

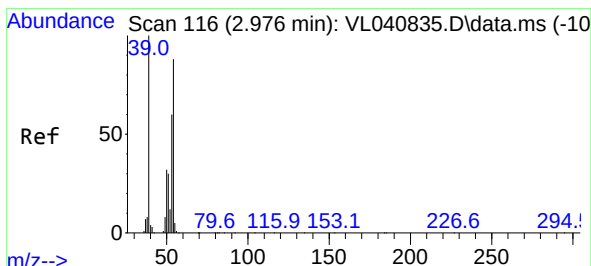
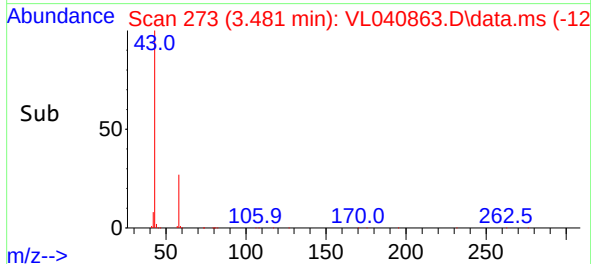
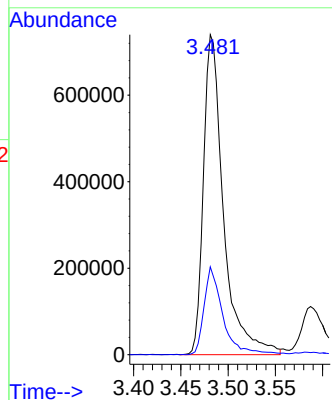
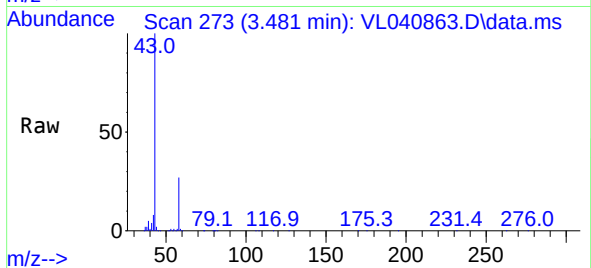




#15  
Acetone  
Concen: 11.474 ppbv  
RT: 3.481 min Scan# 21  
Delta R.T. -0.020 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

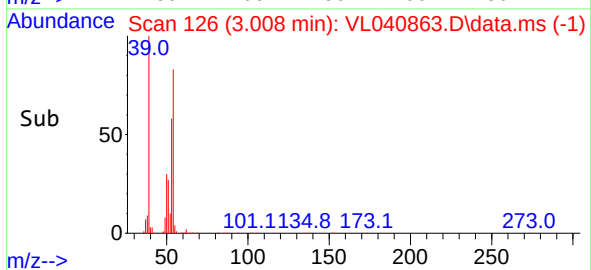
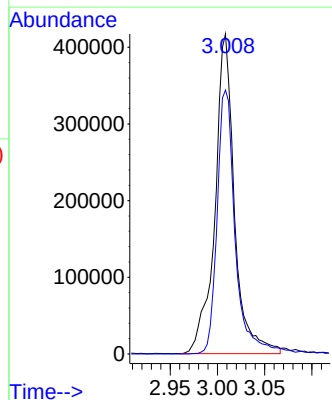
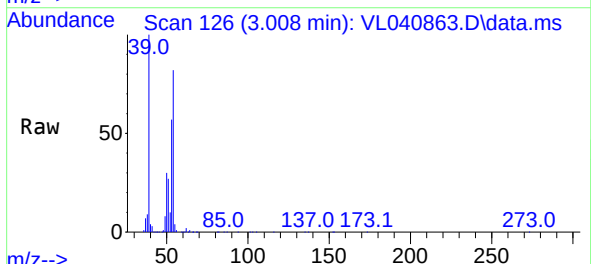
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

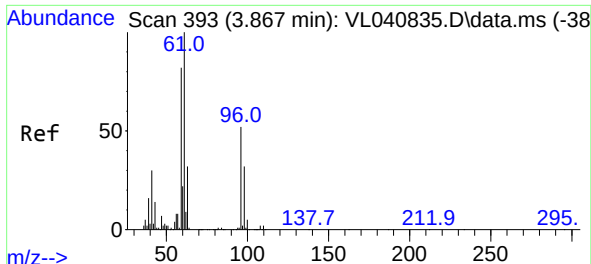
Tgt Ion: 43 Resp: 1093446  
Ion Ratio Lower Upper  
43 100  
58 25.8 20.9 31.3



#16  
1,3-Butadiene  
Concen: 12.486 ppbv  
RT: 3.008 min Scan# 126  
Delta R.T. -0.016 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 39 Resp: 601979  
Ion Ratio Lower Upper  
39 100  
54 77.5 61.8 92.6

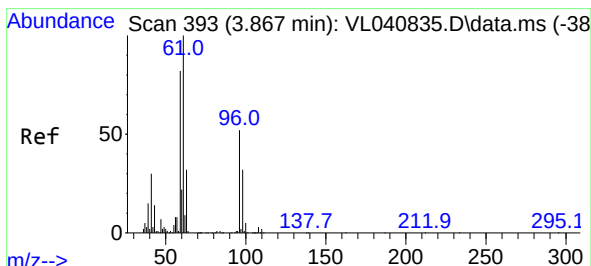
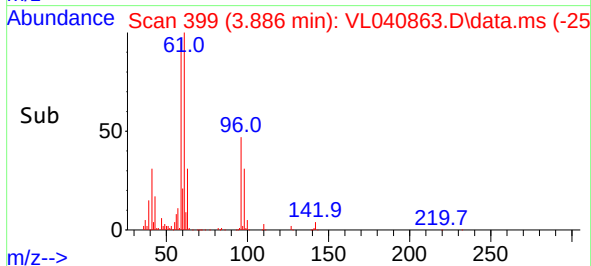
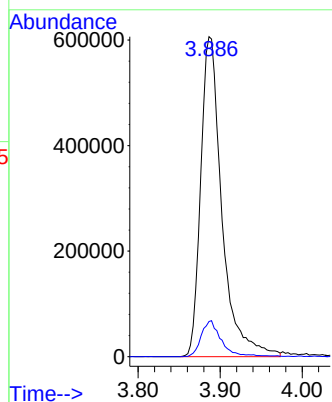
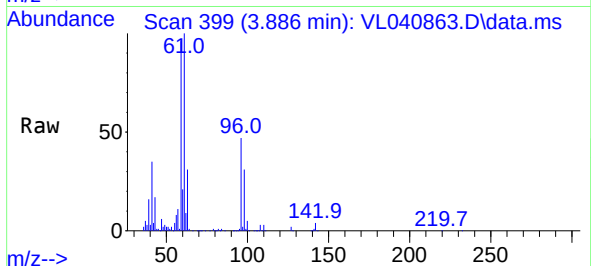




#17  
tert-Butyl alcohol  
Concen: 13.348 ppbv  
RT: 3.886 min Scan# 399  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

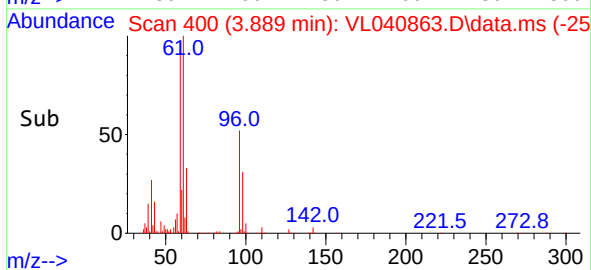
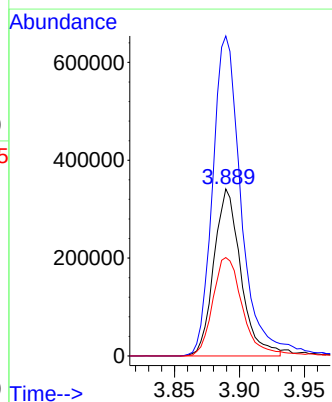
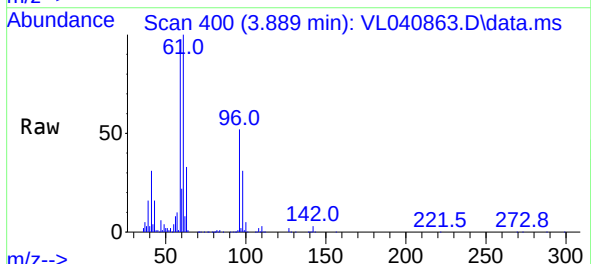
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 59 Resp: 1087810  
Ion Ratio Lower Upper  
59 100  
57 10.9 9.0 13.4

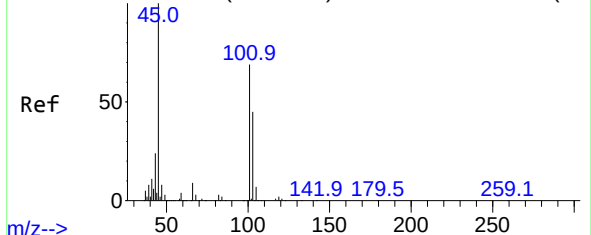


#18  
1,1-Dichloroethene  
Concen: 11.167 ppbv  
RT: 3.889 min Scan# 400  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

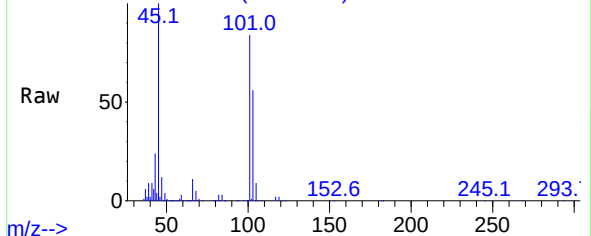
Tgt Ion: 96 Resp: 492827  
Ion Ratio Lower Upper  
96 100  
61 191.7 152.6 228.8  
98 58.9 49.2 73.8



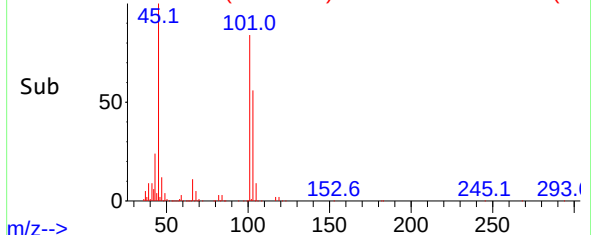
Abundance Scan 299 (3.565 min): VL040835.D\data.ms (-28



Abundance Scan 307 (3.590 min): VL040863.D\data.ms



Abundance Scan 307 (3.590 min): VL040863.D\data.ms (-15



#19

Isopropyl Alcohol

Concen: 13.384 ppbv

RT: 3.590 min Scan# 307

Delta R.T. -0.020 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

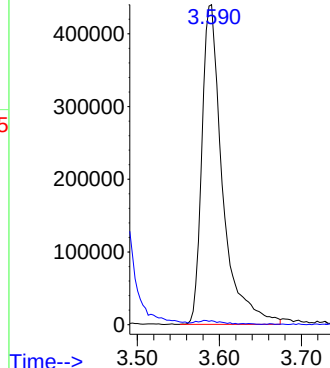
Tgt Ion: 45 Resp: 767605

Ion Ratio Lower Upper

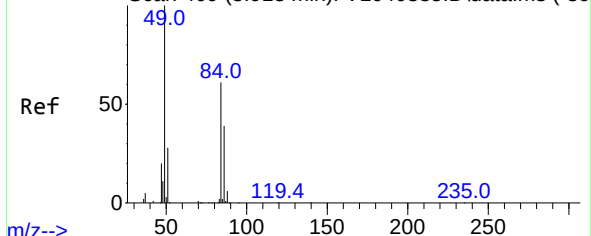
45 100

58 2.1 1.6 2.4

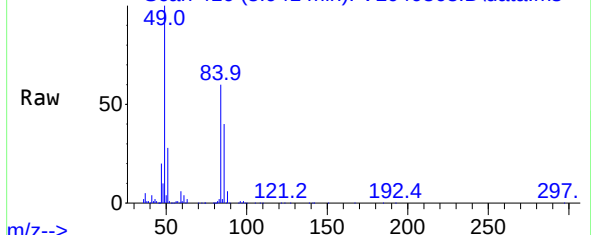
Abundance



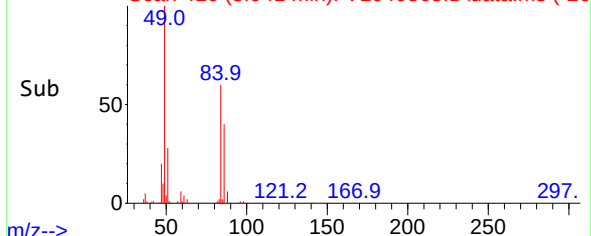
Abundance Scan 409 (3.918 min): VL040835.D\data.ms (-39



Abundance Scan 416 (3.941 min): VL040863.D\data.ms



Abundance Scan 416 (3.941 min): VL040863.D\data.ms (-26



#20

Methylene Chloride

Concen: 10.624 ppbv

RT: 3.941 min Scan# 416

Delta R.T. -0.023 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Tgt Ion: 84 Resp: 417821

Ion Ratio Lower Upper

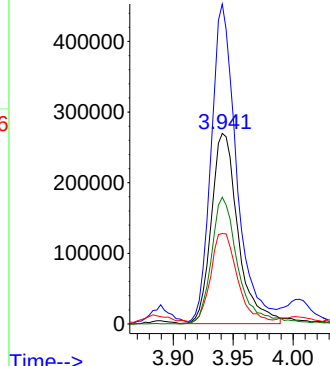
84 100

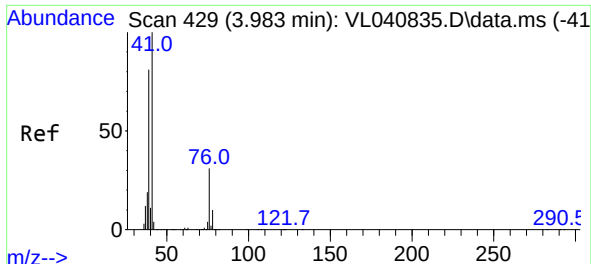
49 165.6 131.0 196.4

51 45.7 36.9 55.3

86 66.6 51.2 76.8

Abundance

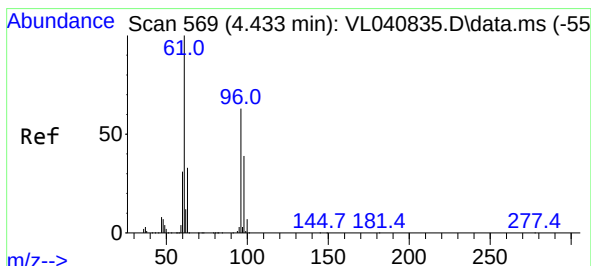
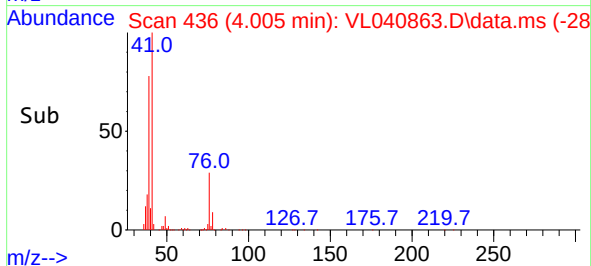
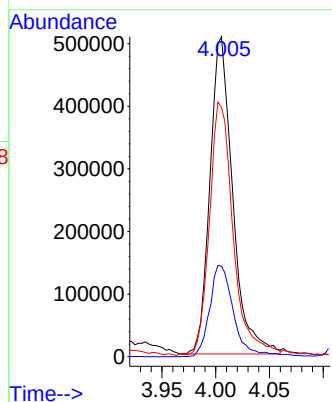
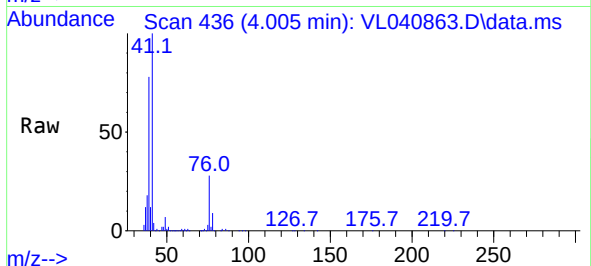




#21  
 Allyl Chloride  
 Concen: 12.238 ppbv  
 RT: 4.005 min Scan# 41  
 Delta R.T. -0.020 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

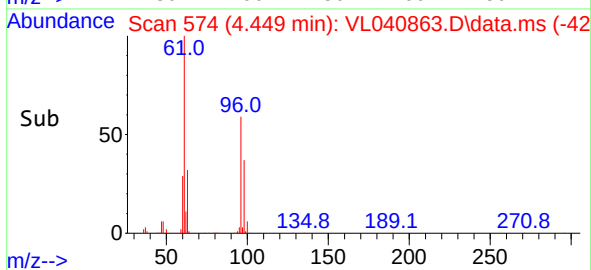
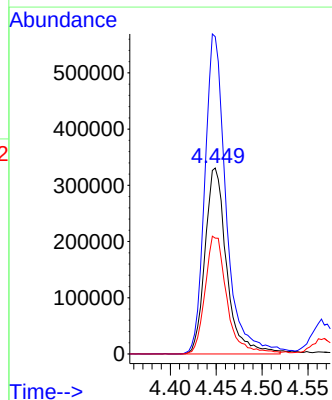
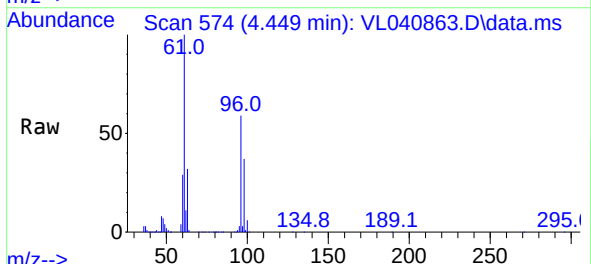
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

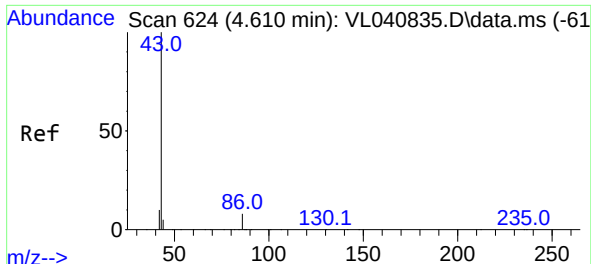
Tgt Ion: 41 Resp: 746375  
 Ion Ratio Lower Upper  
 41 100  
 76 30.5 24.4 36.6  
 39 84.1 68.1 102.1



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.845 ppbv  
 RT: 4.449 min Scan# 574  
 Delta R.T. -0.020 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Tgt Ion: 96 Resp: 543184  
 Ion Ratio Lower Upper  
 96 100  
 61 170.5 126.8 190.2  
 98 62.3 49.9 74.9



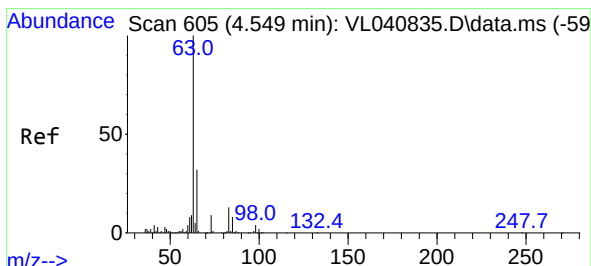
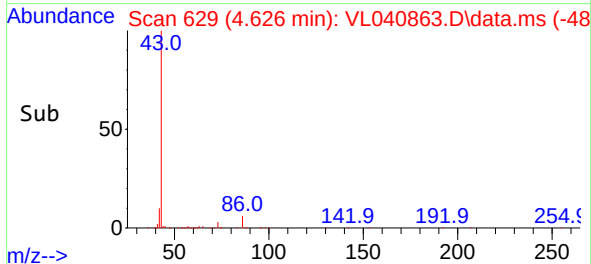
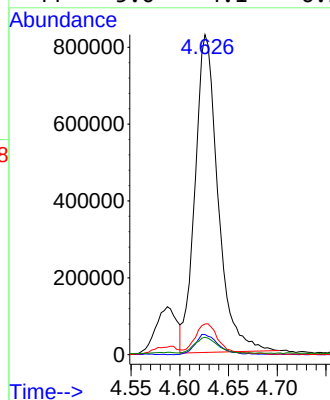
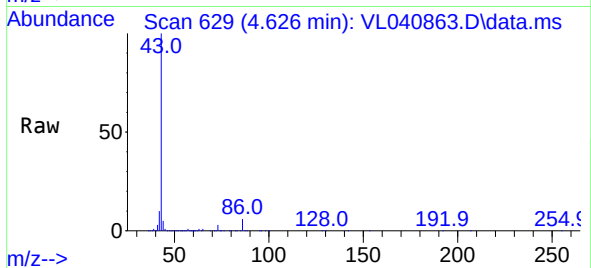


#23  
 Vinyl Acetate  
 Concen: 10.987 ppbv  
 RT: 4.626 min Scan# 610  
 Delta R.T. -0.023 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1352000

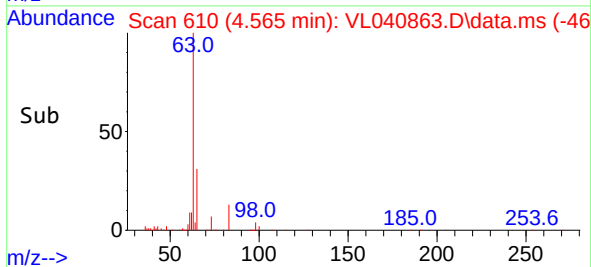
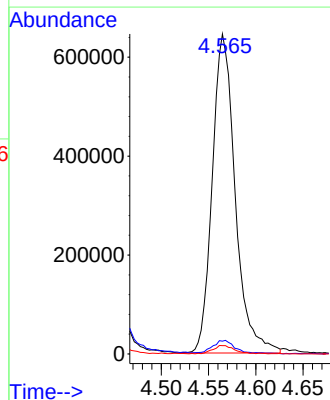
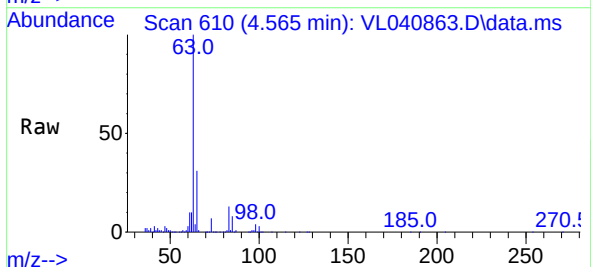
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 6.2   | 5.5   | 8.3   |
| 42  | 9.5   | 8.2   | 12.2  |
| 44  | 5.0   | 4.1   | 6.1   |

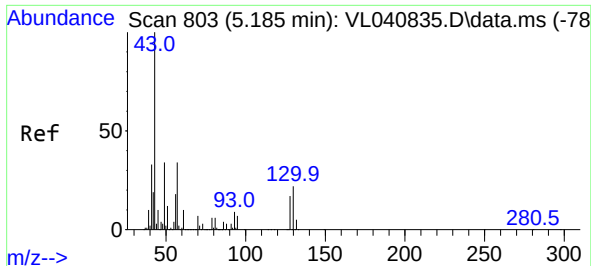


#24  
 1,1-Dichloroethane  
 Concen: 9.931 ppbv  
 RT: 4.565 min Scan# 610  
 Delta R.T. -0.023 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Tgt Ion: 63 Resp: 1089232

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.9   | 2.2   | 6.6   |
| 100 | 2.5   | 1.0   | 3.0   |



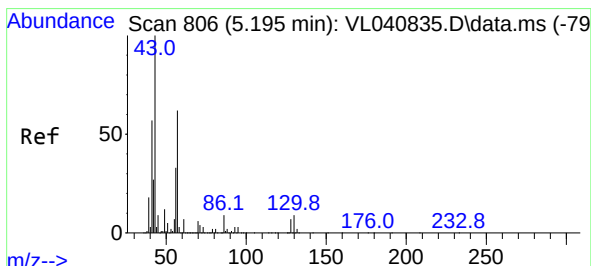
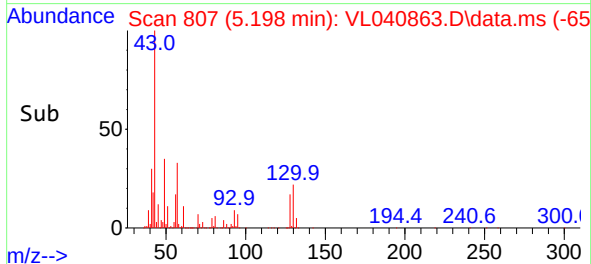
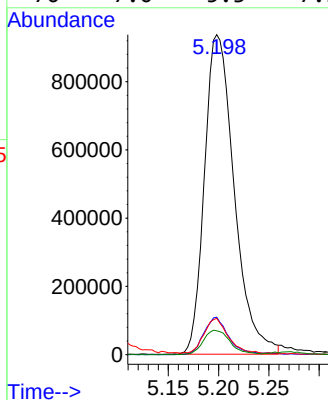
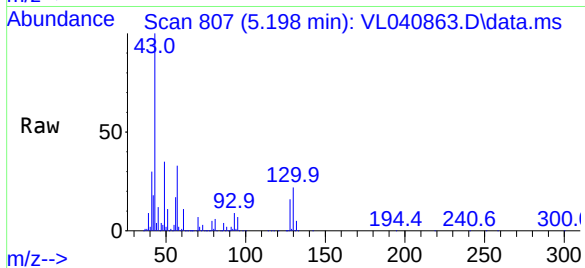


#25  
Ethyl Acetate  
Concen: 9.784 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 43 Resp: 1930543

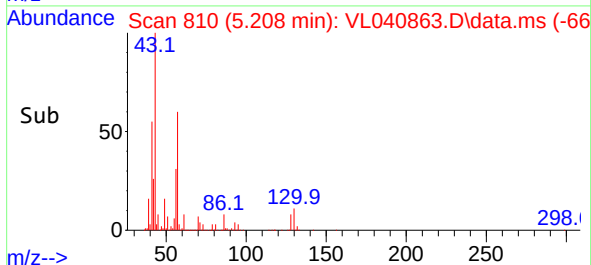
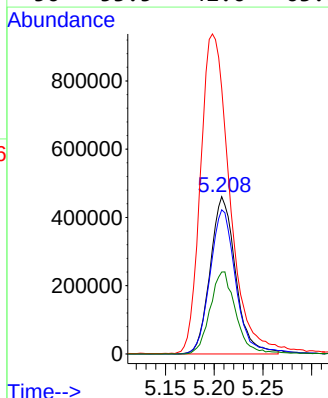
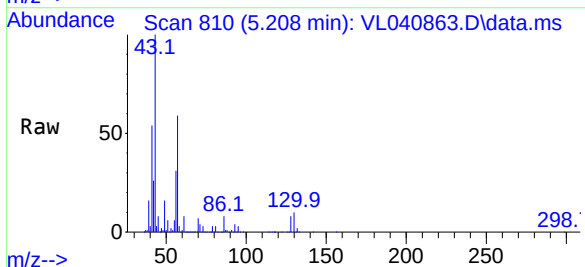
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.2  | 8.1   | 12.1  |
| 61  | 10.0  | 7.8   | 11.6  |
| 70  | 7.0   | 5.3   | 7.9   |



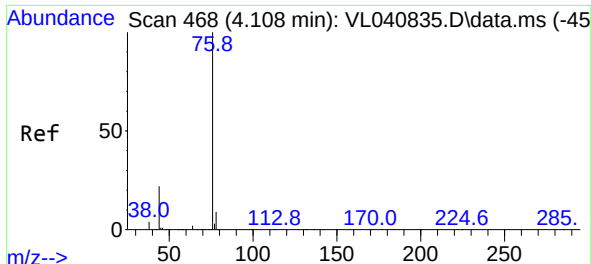
#26  
Hexane  
Concen: 9.549 ppbv  
RT: 5.208 min Scan# 810  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 57 Resp: 833920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 94.2  | 75.4  | 113.0 |
| 43  | 237.5 | 185.9 | 278.9 |
| 56  | 53.5  | 42.6  | 63.8  |



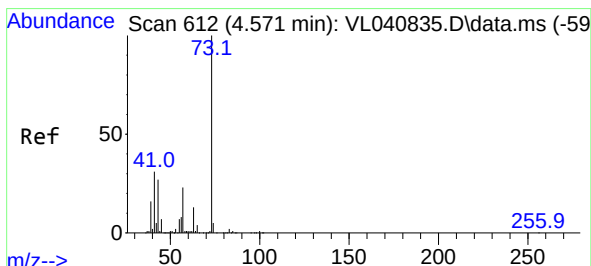
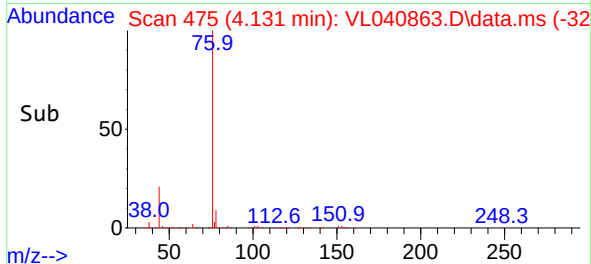
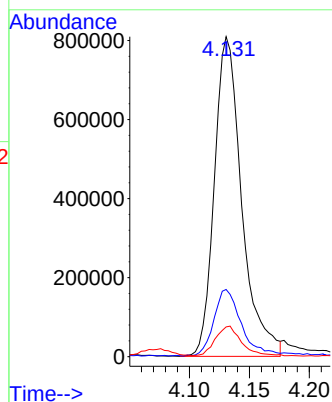
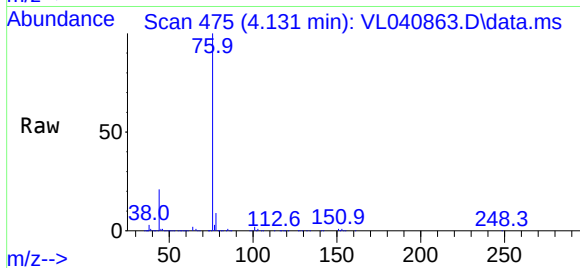




#27  
Carbon Disulfide  
Concen: 11.574 ppbv  
RT: 4.131 min Scan# 41  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

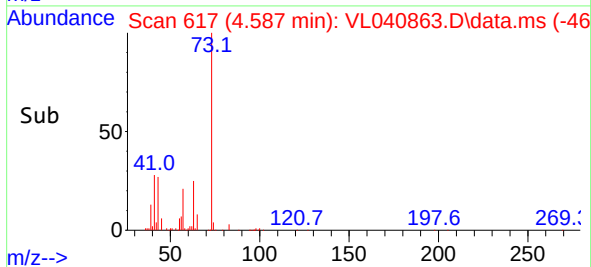
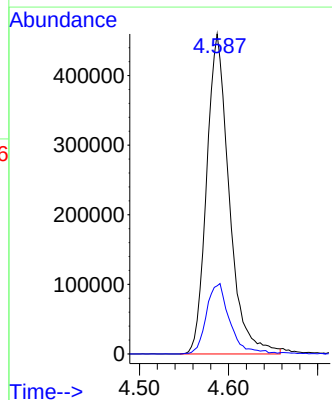
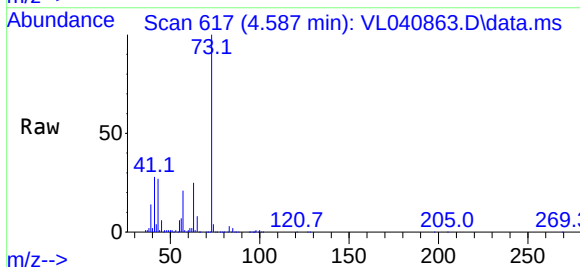
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

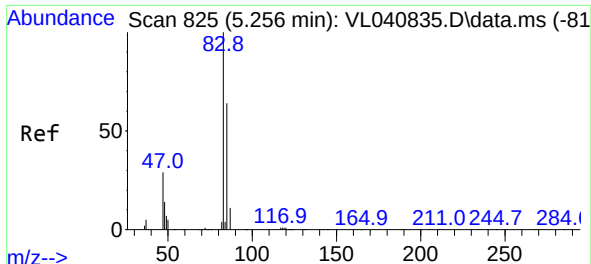
Tgt Ion: 76 Resp: 1281765  
Ion Ratio Lower Upper  
76 100  
44 22.3 16.7 25.1  
78 9.8 7.6 11.4



#28  
Methyl tert-Butyl Ether  
Concen: 10.245 ppbv  
RT: 4.587 min Scan# 617  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 73 Resp: 809131  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.0 27.0





#29

Chloroform

Concen: 9.290 ppbv

RT: 5.269 min Scan# 81

Delta R.T. -0.026 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

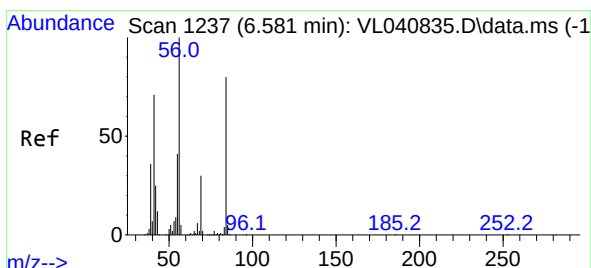
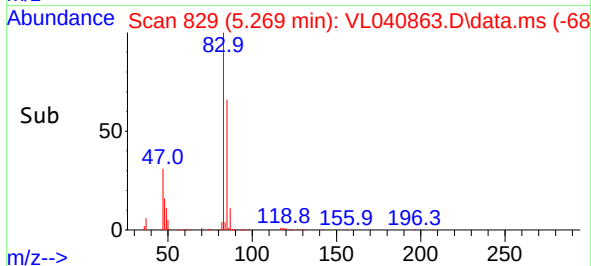
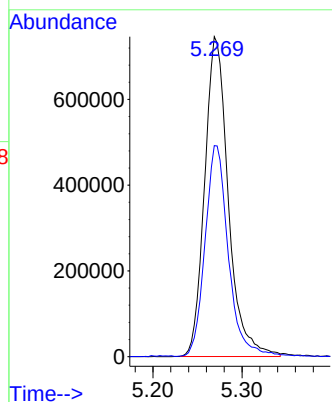
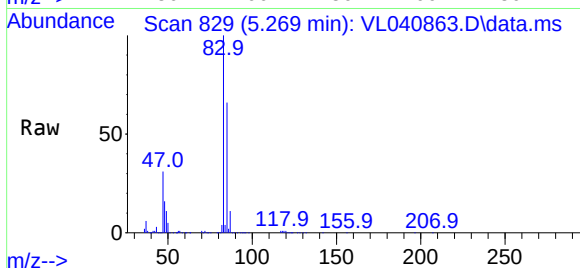
VSTDCCC010EC

Tgt Ion: 83 Resp: 1375116

Ion Ratio Lower Upper

83 100

85 65.8 51.4 77.0



#30

Cyclohexane

Concen: 11.572 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.026 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

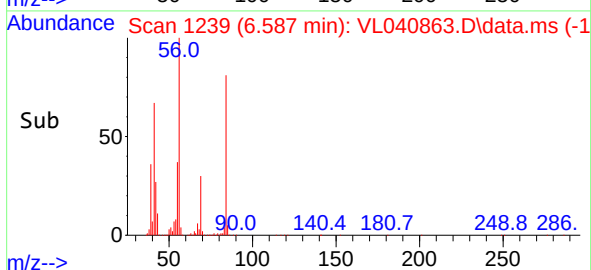
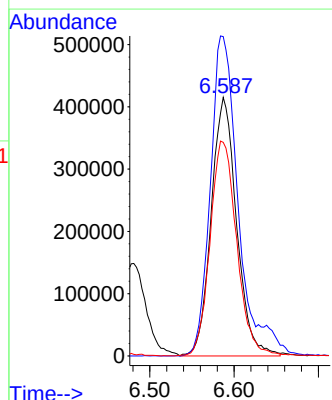
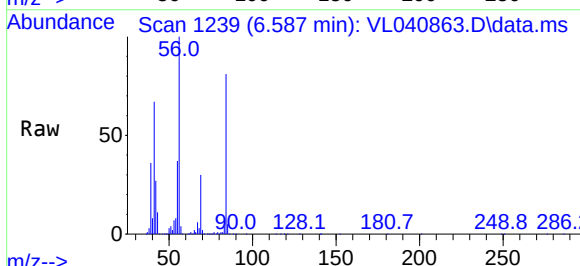
Tgt Ion: 84 Resp: 869411

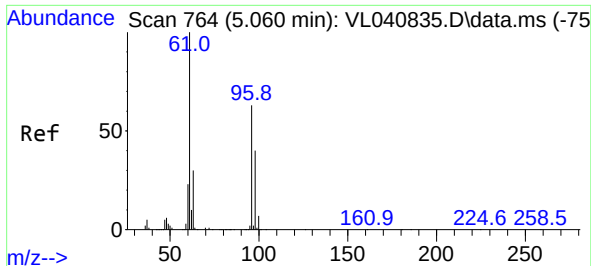
Ion Ratio Lower Upper

84 100

56 136.9 109.3 163.9

41 87.3 71.4 107.2

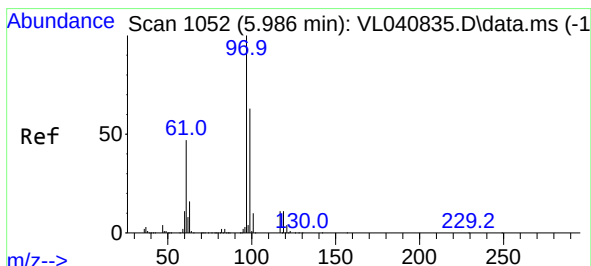
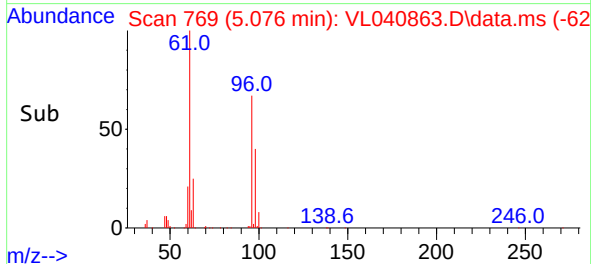
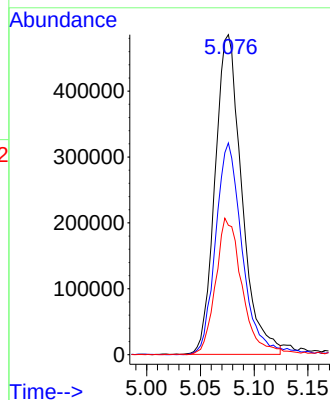
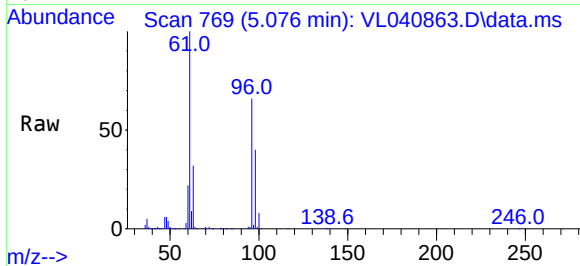




#31  
cis-1,2-Dichloroethene  
Concen: 9.730 ppbv  
RT: 5.076 min Scan# 70  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

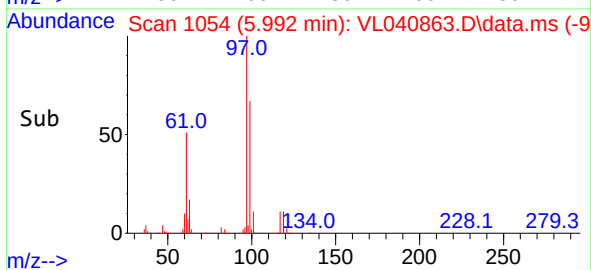
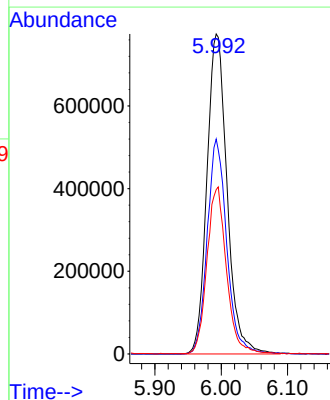
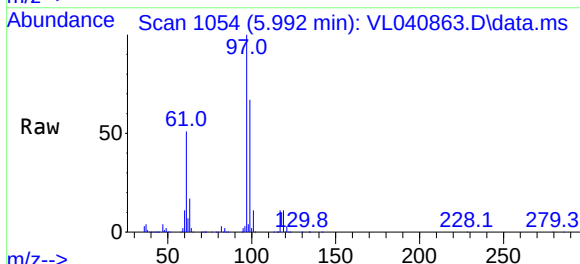
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

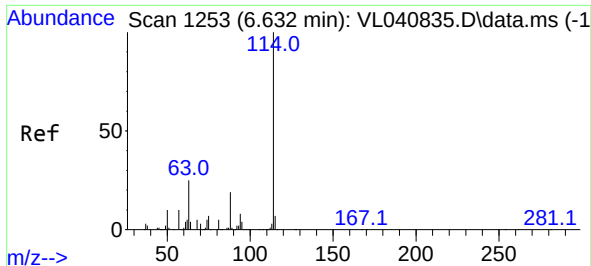
Tgt Ion: 61 Resp: 840890  
Ion Ratio Lower Upper  
61 100  
96 66.1 50.5 75.7  
98 40.4 31.9 47.9



#32  
1,1,1-Trichloroethane  
Concen: 11.827 ppbv  
RT: 5.992 min Scan# 1054  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 97 Resp: 1633301  
Ion Ratio Lower Upper  
97 100  
99 65.1 52.2 78.4  
61 50.8 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.023 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

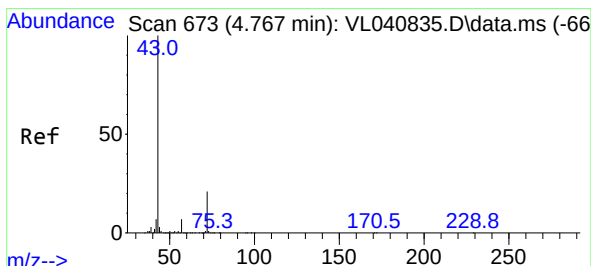
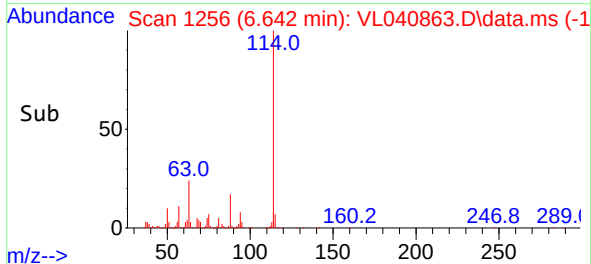
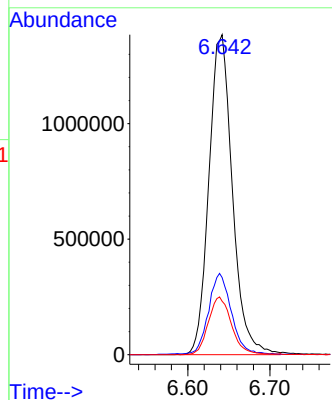
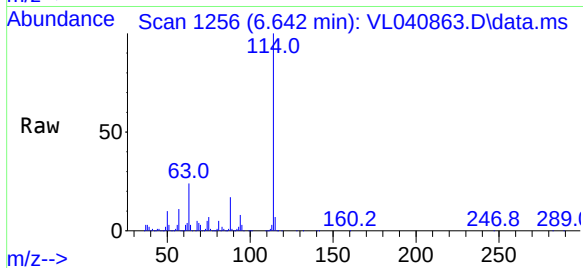
Tgt Ion:114 Resp: 2759400

Ion Ratio Lower Upper

114 100

63 25.2 20.9 31.3

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 8.782 ppbv

RT: 4.783 min Scan# 678

Delta R.T. -0.023 min

Lab File: VL040863.D

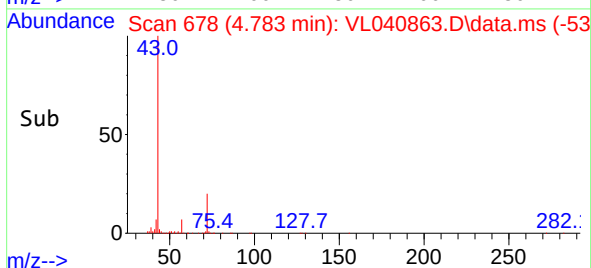
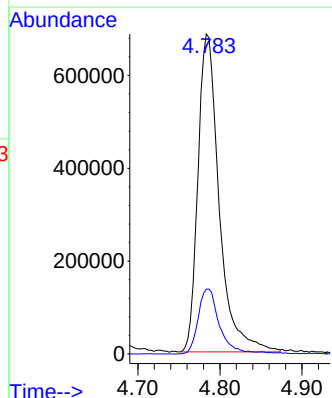
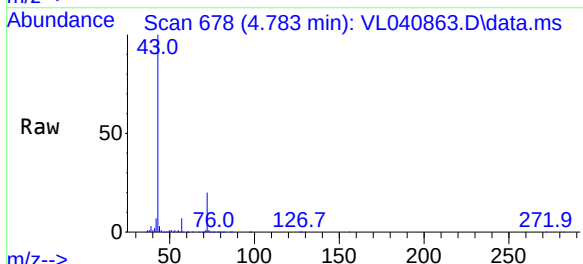
Acq: 15 Nov 2023 7:29

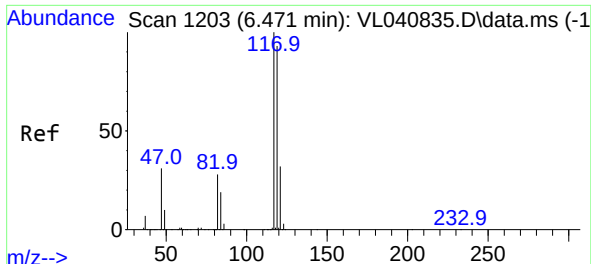
Tgt Ion: 43 Resp: 1234521

Ion Ratio Lower Upper

43 100

72 20.9 17.2 25.8

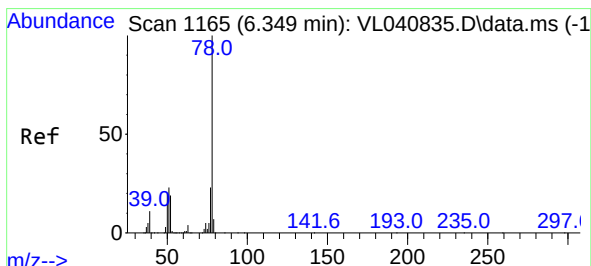
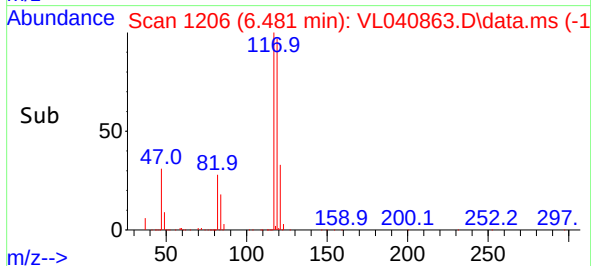
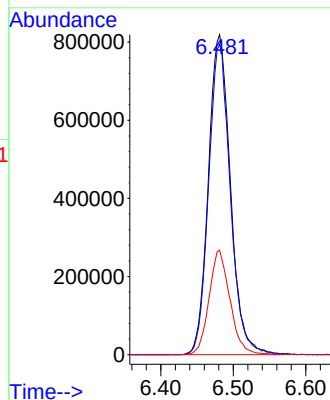
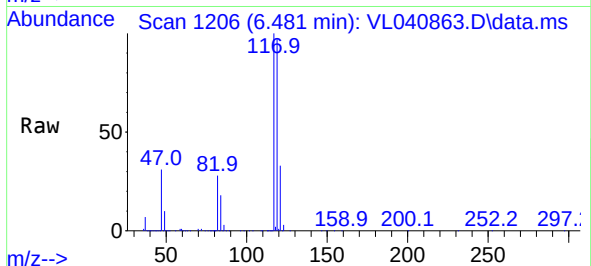




#35  
Carbon Tetrachloride  
Concen: 10.252 ppbv  
RT: 6.481 min Scan# 117  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

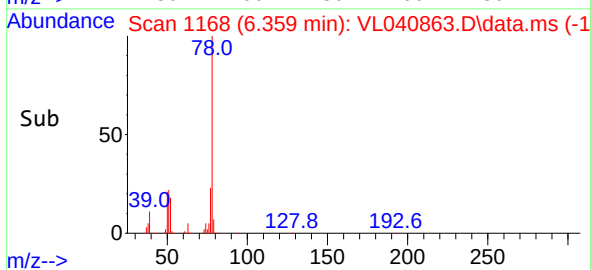
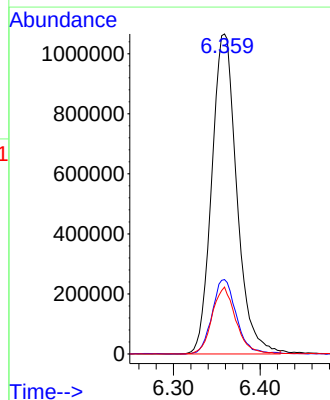
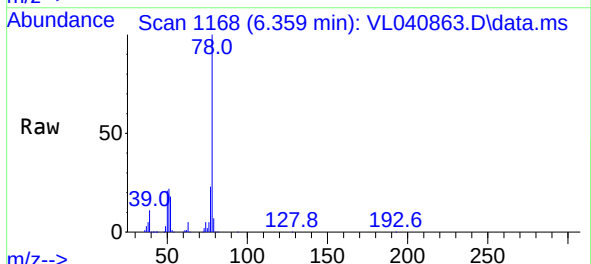
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

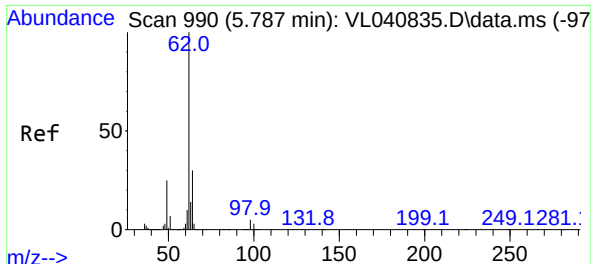
Tgt Ion:117 Resp: 1735741  
Ion Ratio Lower Upper  
117 100  
119 96.8 74.7 112.1  
121 32.7 25.5 38.3



#36  
Benzene  
Concen: 9.555 ppbv  
RT: 6.359 min Scan# 1168  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 78 Resp: 2139914  
Ion Ratio Lower Upper  
78 100  
77 23.2 18.4 27.6  
50 20.9 16.2 24.2

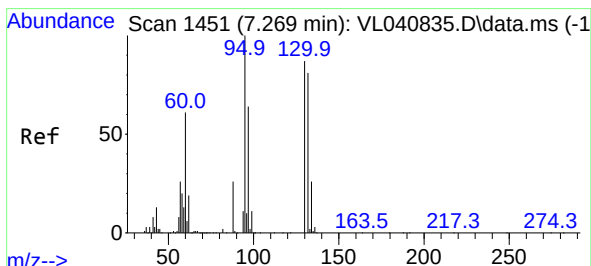
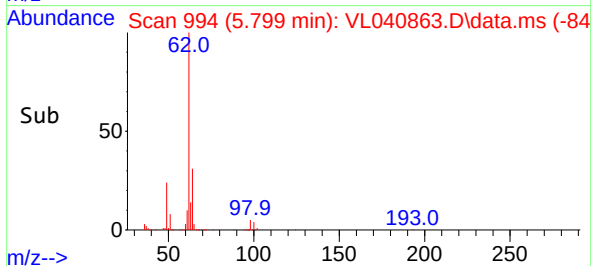
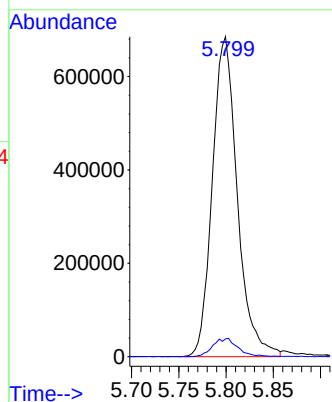
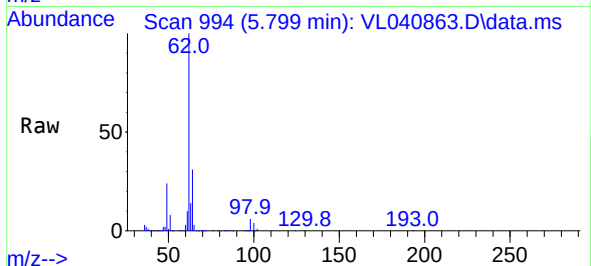




#37  
1,2-Dichloroethane  
Concen: 9.524 ppbv  
RT: 5.799 min Scan# 994  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

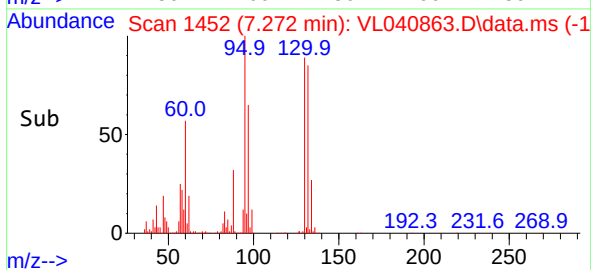
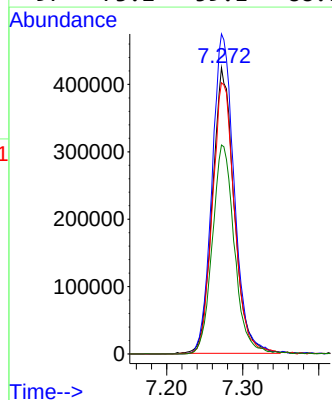
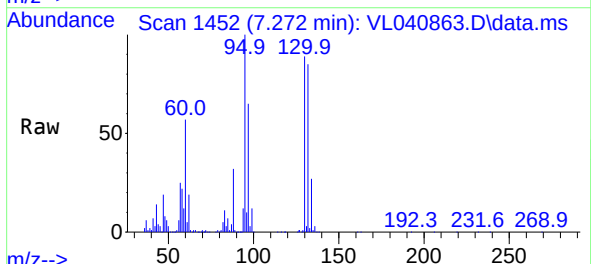
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

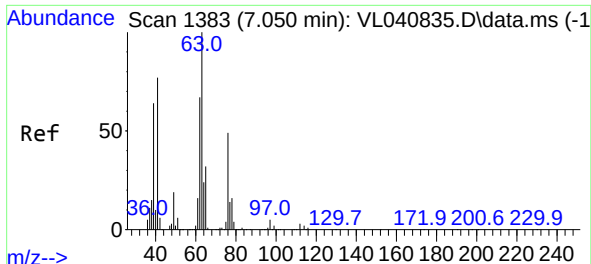
Tgt Ion: 62 Resp: 1257993  
Ion Ratio Lower Upper  
62 100  
98 5.9 4.6 6.8



#38  
Trichloroethene  
Concen: 9.651 ppbv  
RT: 7.272 min Scan# 1452  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:130 Resp: 840130  
Ion Ratio Lower Upper  
130 100  
95 112.0 92.4 138.6  
132 94.9 75.1 112.7  
97 73.2 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.492 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.026 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

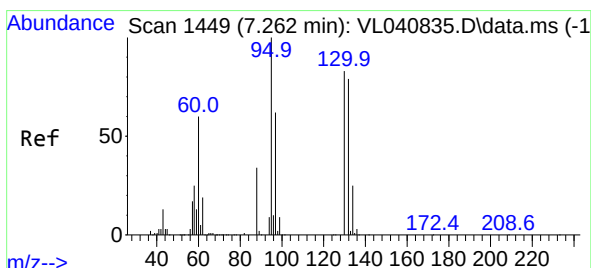
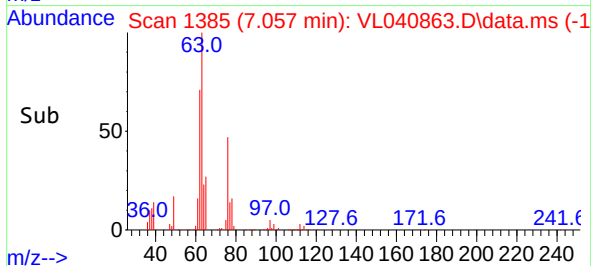
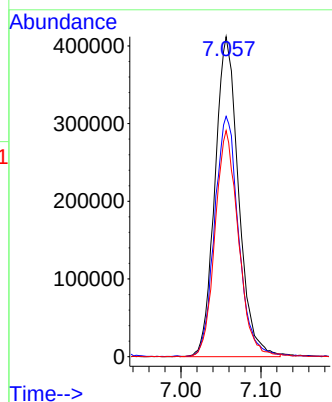
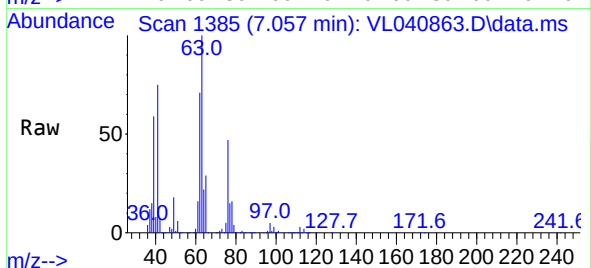
Tgt Ion: 63 Resp: 842868

Ion Ratio Lower Upper

63 100

41 75.0 61.5 92.3

62 70.6 53.9 80.9



#40

1,4-Dioxane

Concen: 9.797 ppbv

RT: 7.266 min Scan# 1450

Delta R.T. -0.026 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Tgt Ion: 88 Resp: 345187

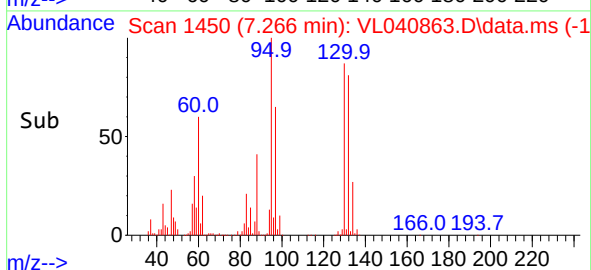
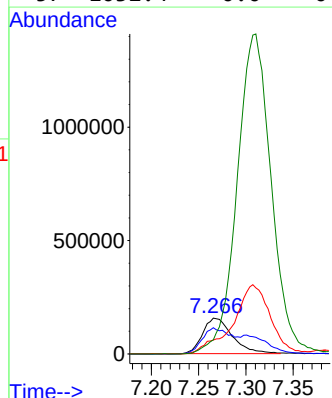
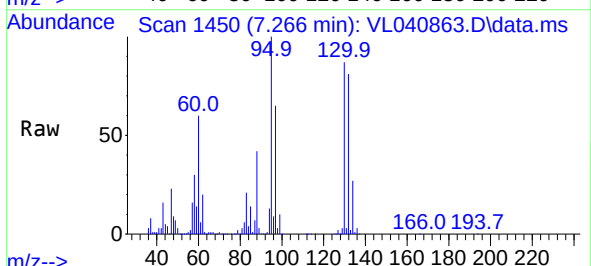
Ion Ratio Lower Upper

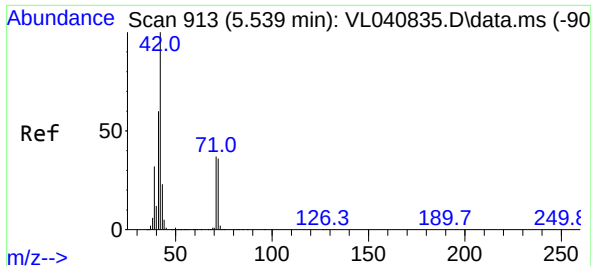
88 100

58 120.6 101.0 151.6

43 243.2 0.0 0.0#

57 1032.4 0.0 0.0#

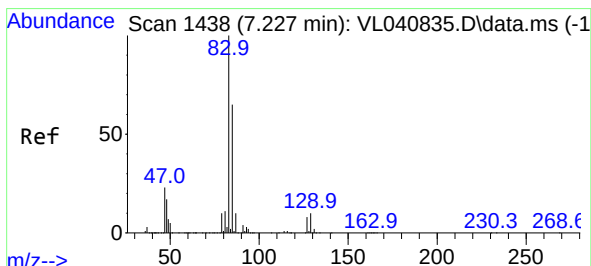
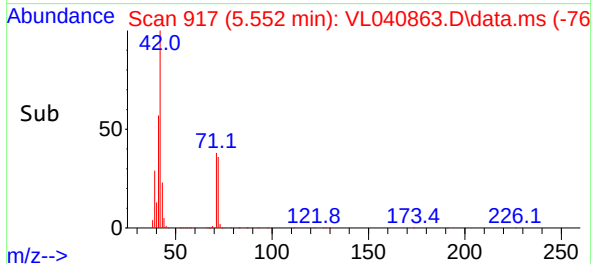
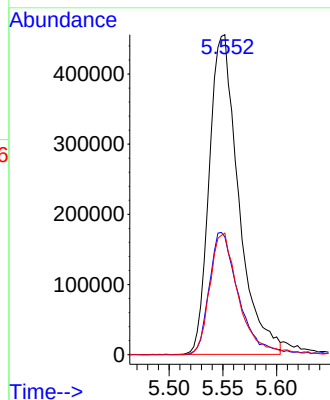
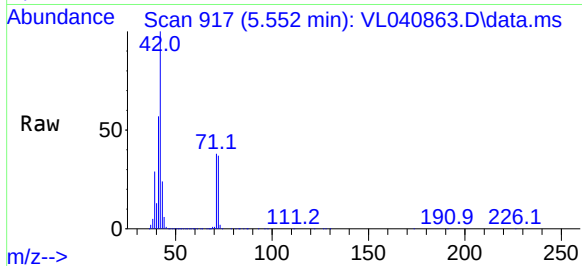




#41  
Tetrahydrofuran  
Concen: 9.989 ppbv  
RT: 5.552 min Scan# 91  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

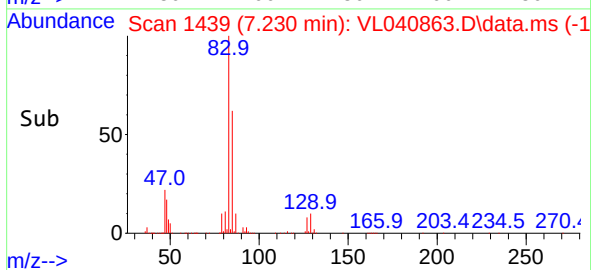
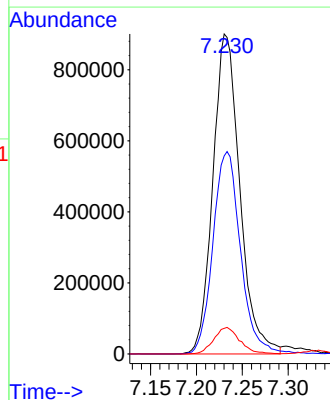
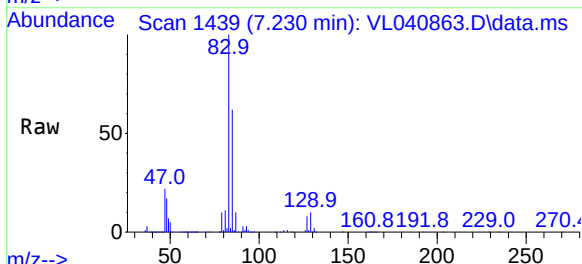
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 42 Resp: 864506  
Ion Ratio Lower Upper  
42 100  
72 39.1 30.8 46.2  
71 38.2 30.0 45.0

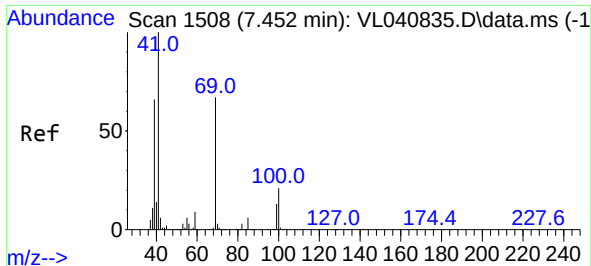


#42  
Bromodichloromethane  
Concen: 9.740 ppbv  
RT: 7.230 min Scan# 1439  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 83 Resp: 1841048  
Ion Ratio Lower Upper  
83 100  
85 61.9 52.3 78.5  
127 8.0 6.6 10.0



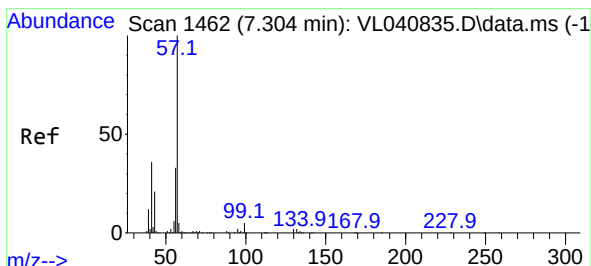
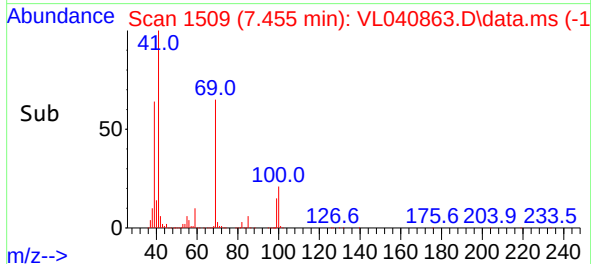
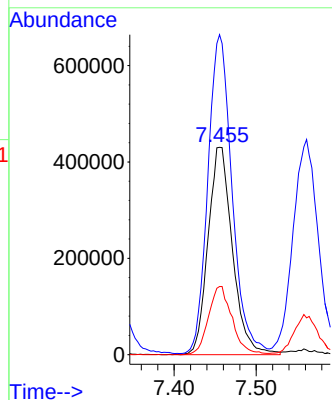
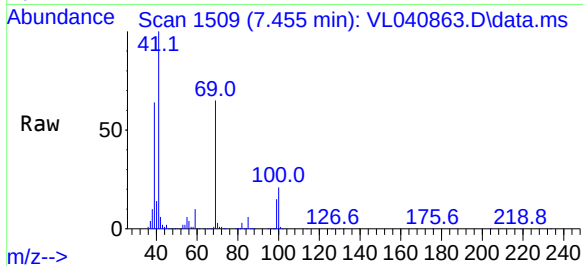




#43  
Methyl Methacrylate  
Concen: 10.443 ppbv  
RT: 7.455 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

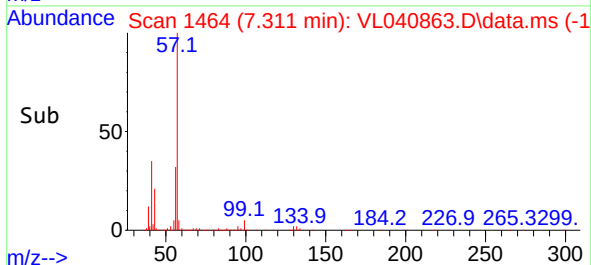
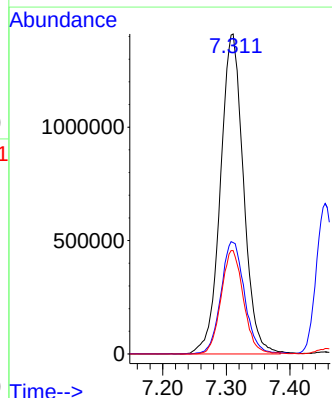
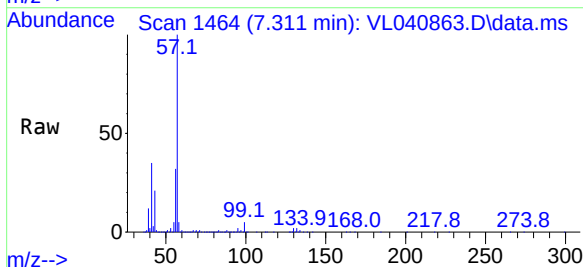
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

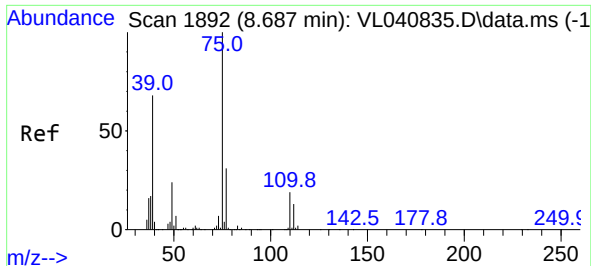
Tgt Ion: 69 Resp: 891186  
Ion Ratio Lower Upper  
69 100  
41 152.7 123.0 184.4  
100 31.8 25.4 38.2



#44  
2,2,4-Trimethylpentane  
Concen: 9.545 ppbv  
RT: 7.311 min Scan# 1464  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 57 Resp: 3550849  
Ion Ratio Lower Upper  
57 100  
41 35.9 29.0 43.6  
56 31.4 25.2 37.8

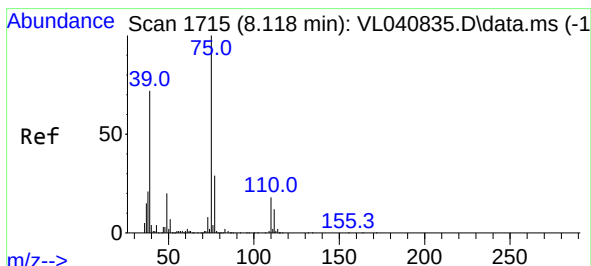
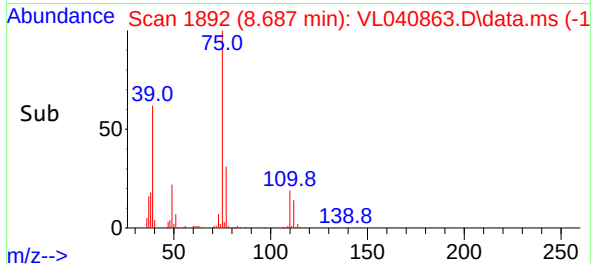
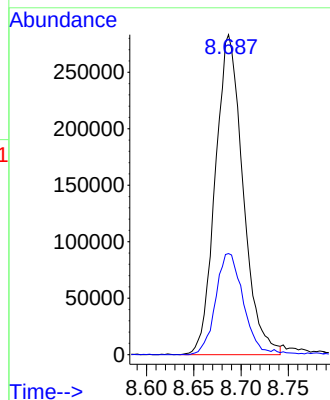
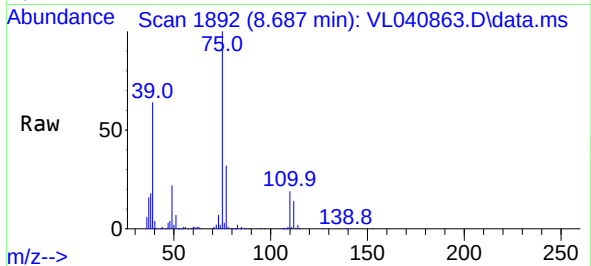




#45  
t-1,3-Dichloropropene  
Concen: 11.507 ppbv  
RT: 8.687 min Scan# 11  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

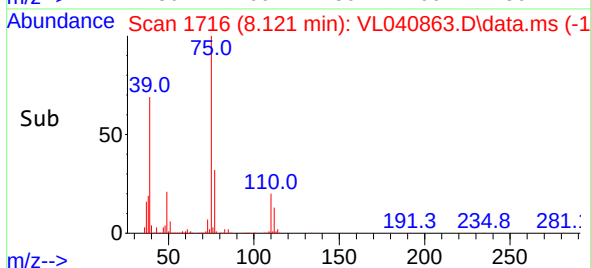
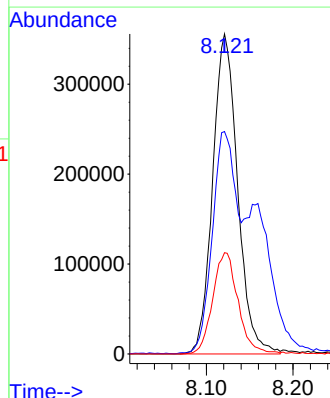
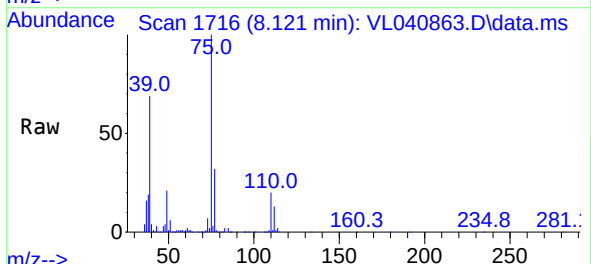
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

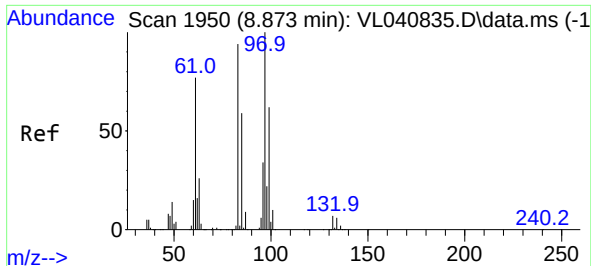
Tgt Ion: 75 Resp: 577076  
Ion Ratio Lower Upper  
75 100  
77 31.6 24.9 37.3



#46  
cis-1,3-Dichloropropene  
Concen: 10.959 ppbv  
RT: 8.121 min Scan# 1716  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 75 Resp: 712641  
Ion Ratio Lower Upper  
75 100  
39 69.1 57.3 85.9  
77 31.7 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 9.699 ppbv

RT: 8.876 min Scan# 1950

Delta R.T. -0.023 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 902457

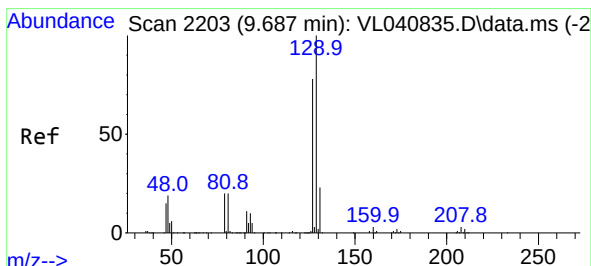
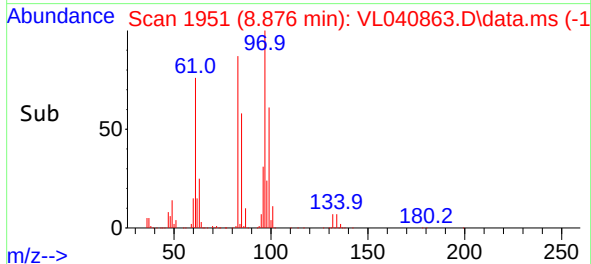
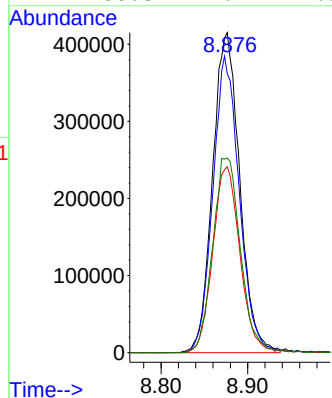
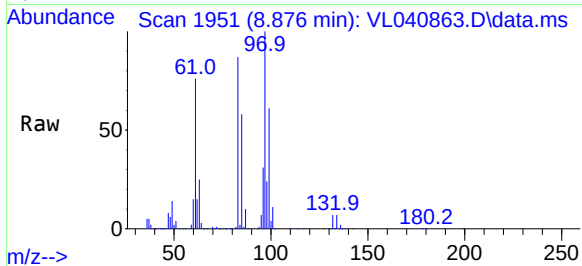
Ion Ratio Lower Upper

97 100

83 87.2 74.8 112.2

85 58.1 47.4 71.0

99 60.8 49.7 74.5



#48

Dibromochloromethane

Concen: 10.414 ppbv

RT: 9.680 min Scan# 2201

Delta R.T. -0.032 min

Lab File: VL040863.D

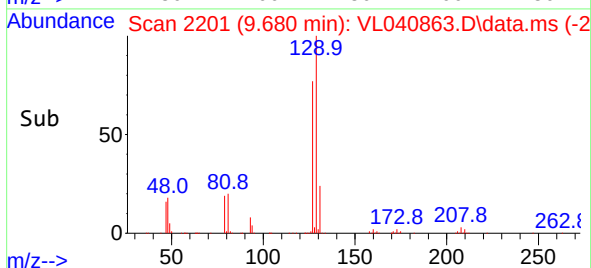
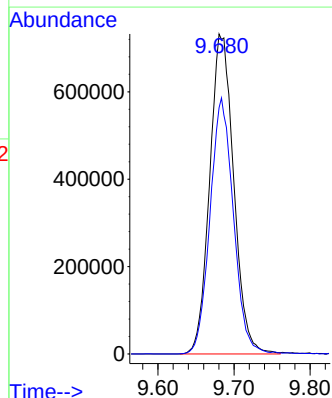
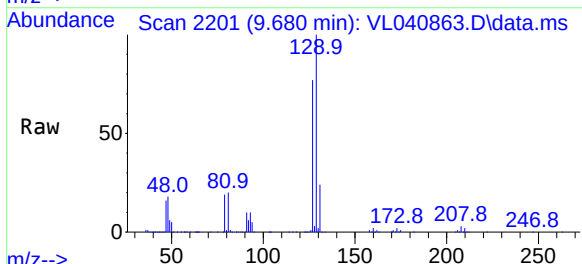
Acq: 15 Nov 2023 7:29

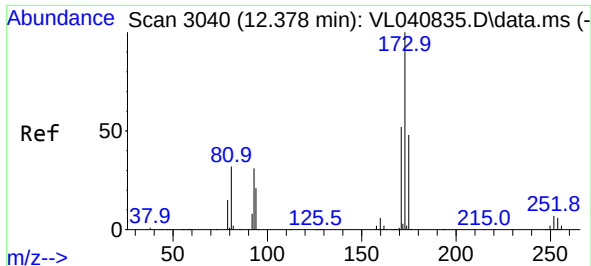
Tgt Ion: 129 Resp: 1607861

Ion Ratio Lower Upper

129 100

127 78.3 39.3 117.9

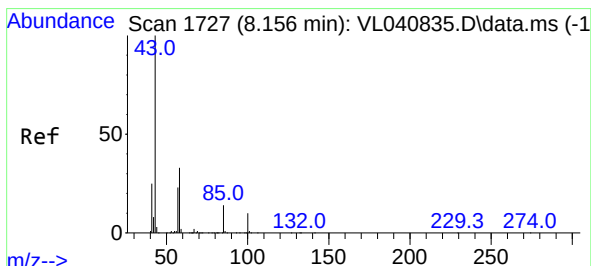
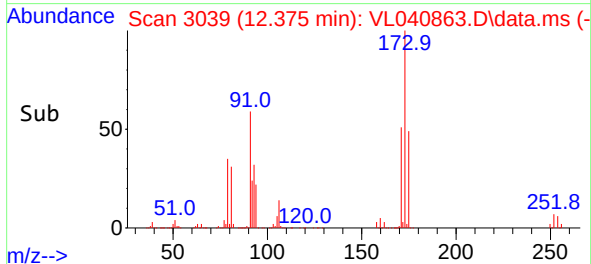
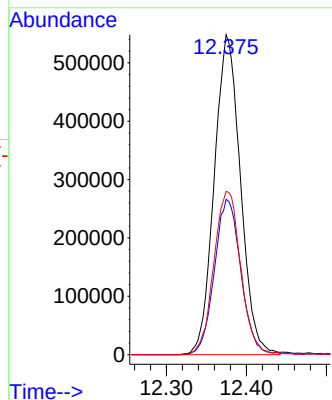
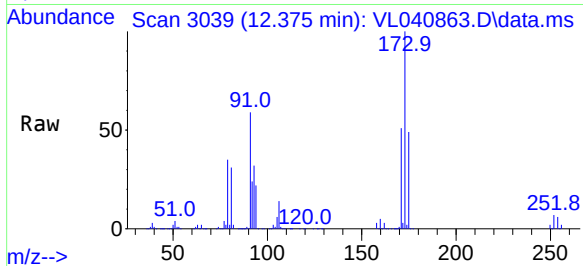




#49  
Bromoform  
Concen: 10.729 ppbv  
RT: 12.375 min Scan# 3040  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

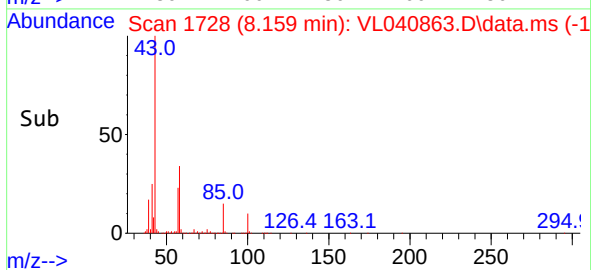
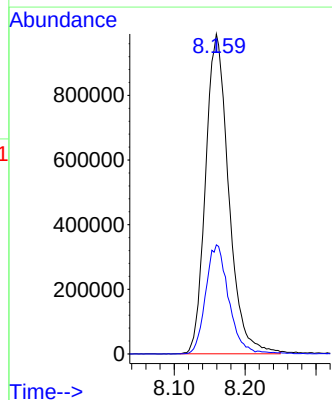
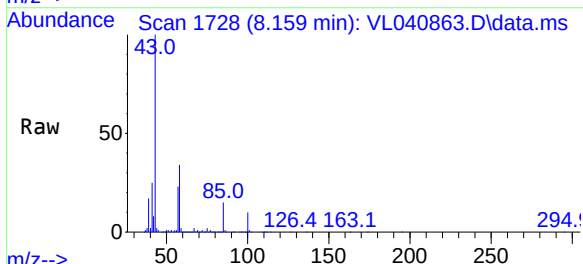
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

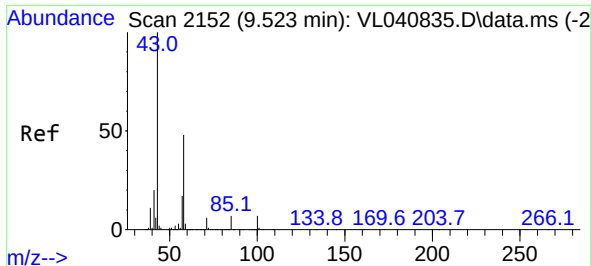
Tgt Ion:173 Resp: 1245839  
Ion Ratio Lower Upper  
173 100  
175 49.1 39.0 58.6  
171 52.8 41.8 62.6



#50  
4-Methyl-2-Pentanone  
Concen: 10.313 ppbv  
RT: 8.159 min Scan# 1728  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 43 Resp: 2243550  
Ion Ratio Lower Upper  
43 100  
58 34.3 27.8 41.6

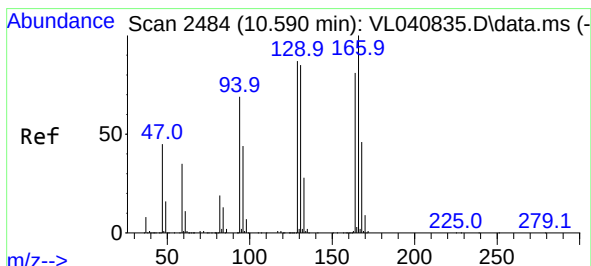
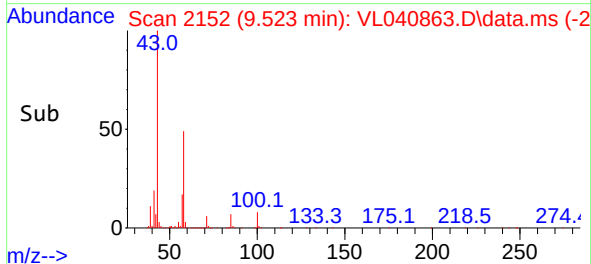
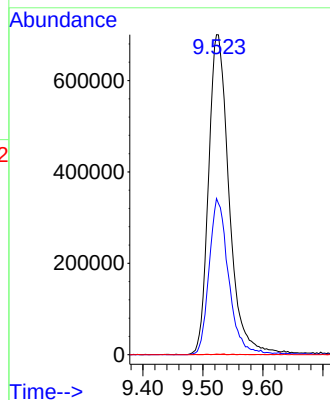
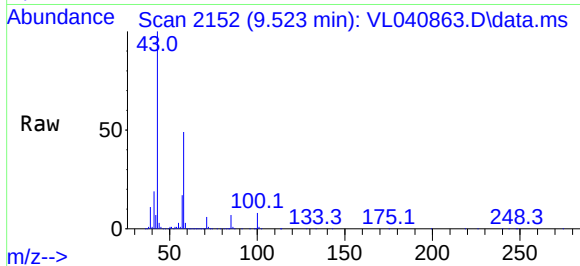




#51  
2-Hexanone  
Concen: 10.852 ppbv  
RT: 9.523 min Scan# 2152  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

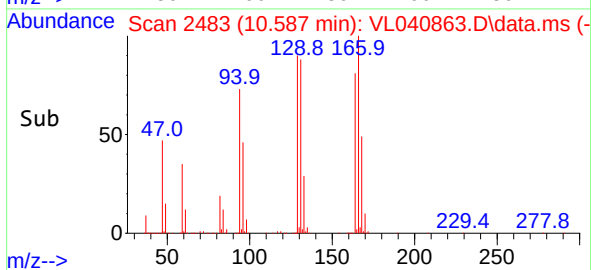
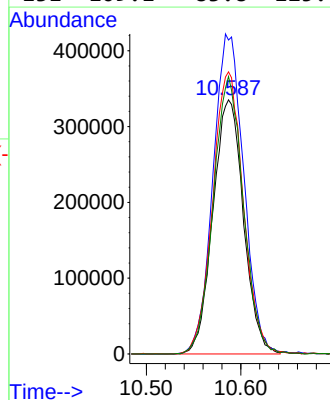
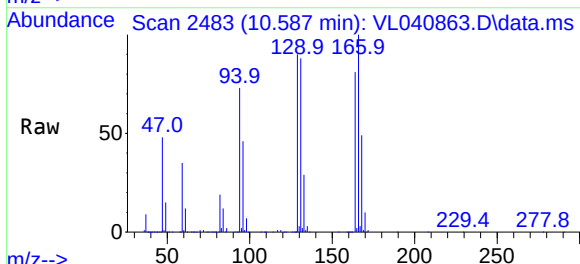
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

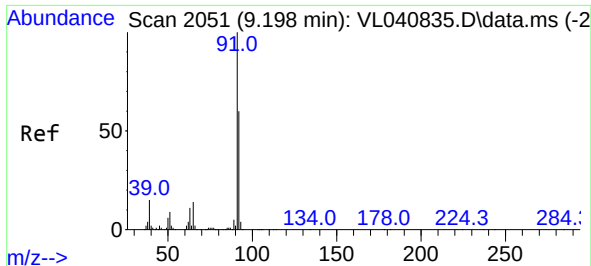
Tgt Ion: 43 Resp: 1664216  
Ion Ratio Lower Upper  
43 100  
58 46.9 37.4 56.2  
98 0.1 0.2 0.2#



#52  
Tetrachloroethene  
Concen: 9.959 ppbv  
RT: 10.587 min Scan# 2483  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 164 Resp: 751066  
Ion Ratio Lower Upper  
164 100  
166 123.2 98.3 147.5  
129 110.7 85.1 127.7  
131 109.1 83.8 125.6

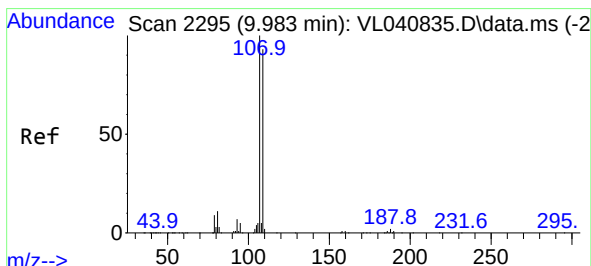
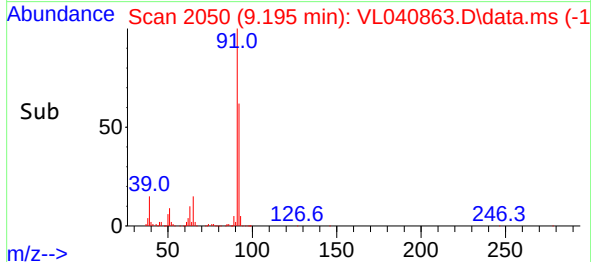
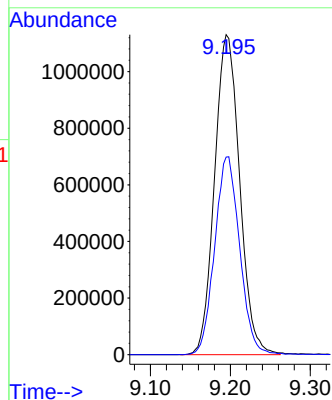
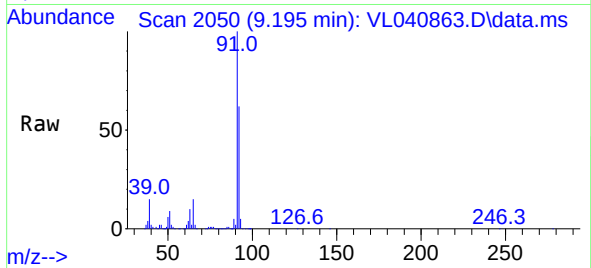




#53  
Toluene  
Concen: 10.005 ppbv  
RT: 9.195 min Scan# 2050  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

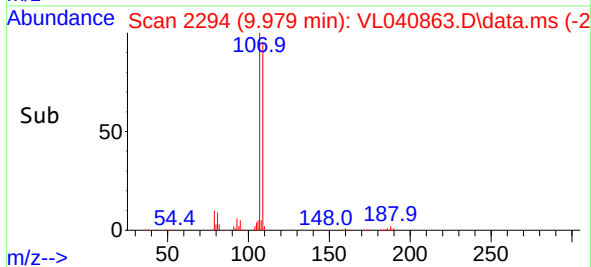
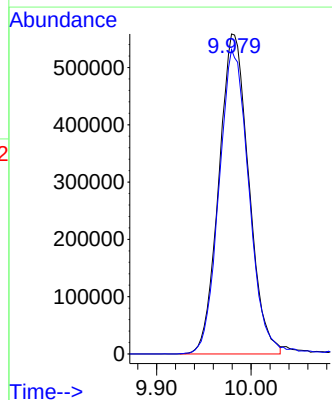
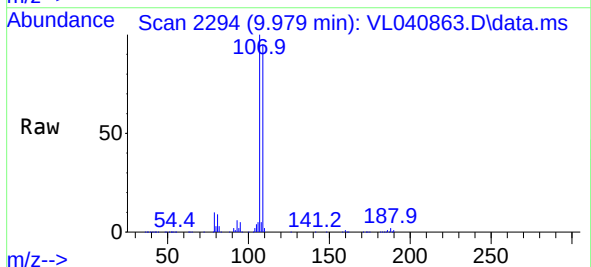
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

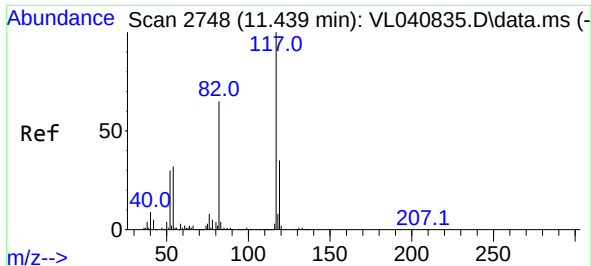
Tgt Ion: 91 Resp: 2465520  
Ion Ratio Lower Upper  
91 100  
92 61.8 49.4 74.2



#54  
1,2-Dibromoethane  
Concen: 10.243 ppbv  
RT: 9.979 min Scan# 2294  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 107 Resp: 1226503  
Ion Ratio Lower Upper  
107 100  
109 95.0 74.5 111.7

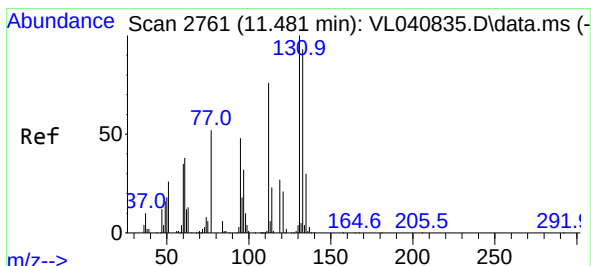
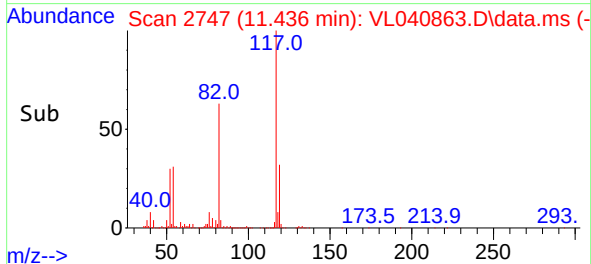
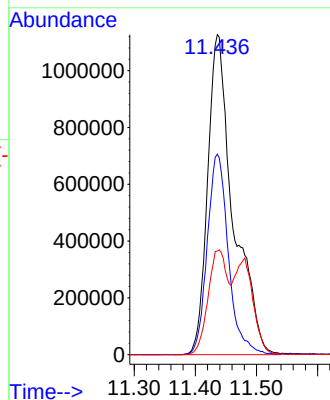
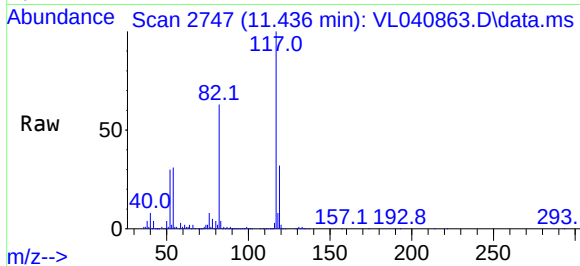




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.436 min Scan# 21  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

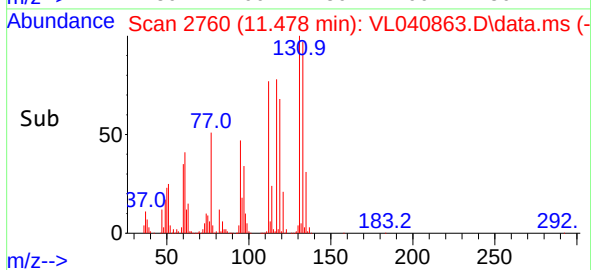
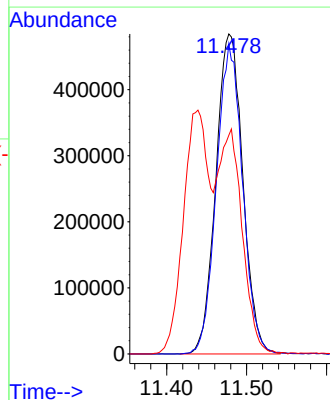
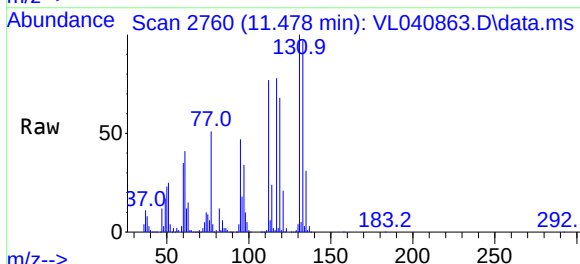
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

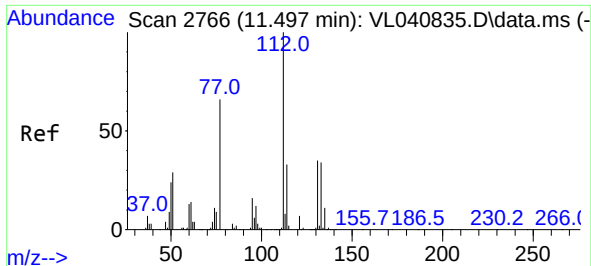
Tgt Ion:117 Resp: 3290912  
Ion Ratio Lower Upper  
117 100  
82 51.8 50.6 75.8  
119 24.0 23.3 34.9



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.033 ppbv  
RT: 11.478 min Scan# 2760  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:131 Resp: 1131497  
Ion Ratio Lower Upper  
131 100  
133 94.2 76.4 114.6  
119 68.0 51.1 76.7

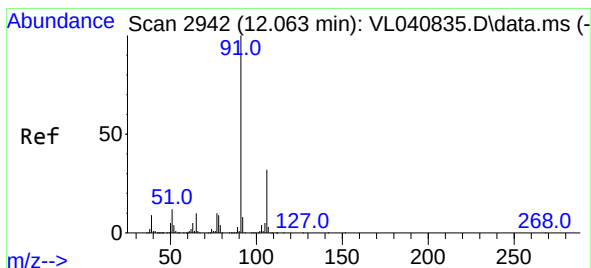
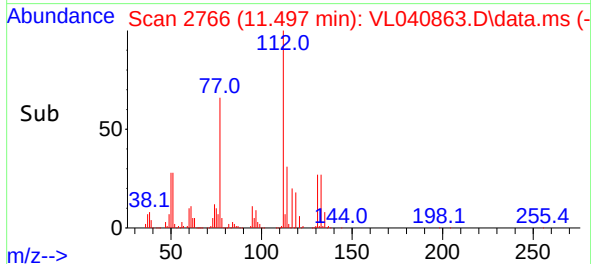
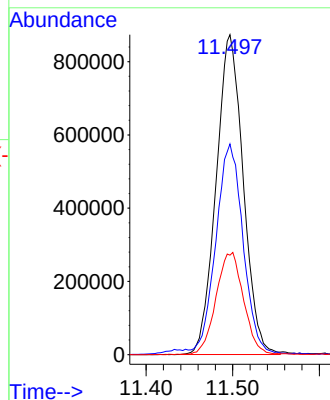
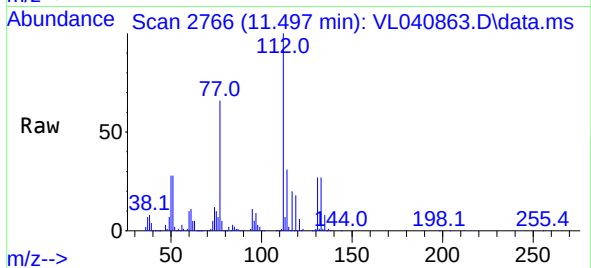




#57  
Chlorobenzene  
Concen: 7.791 ppbv  
RT: 11.497 min Scan# 21  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

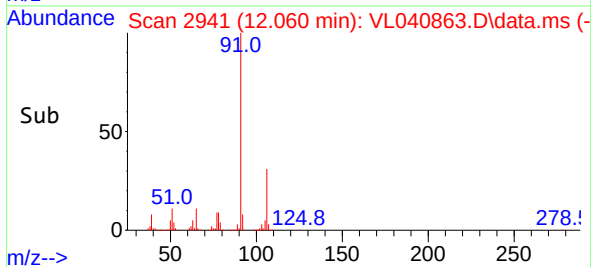
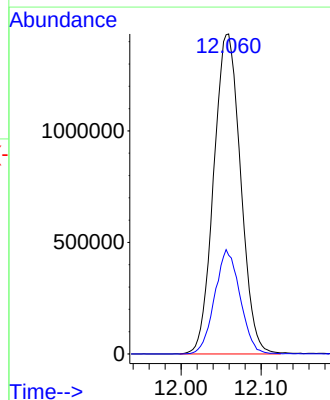
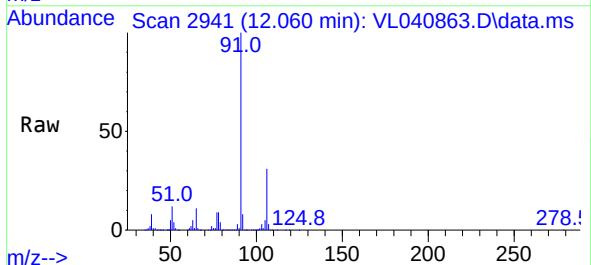
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:112 Resp: 1900470  
Ion Ratio Lower Upper  
112 100  
77 65.4 53.3 79.9  
114 31.1 29.3 35.9

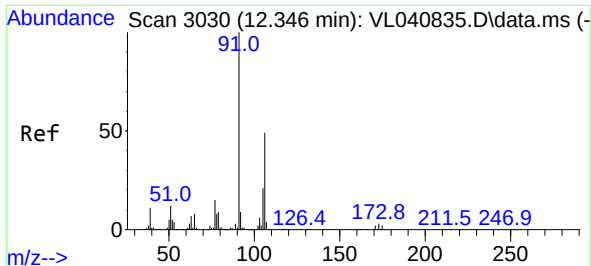


#58  
Ethyl Benzene  
Concen: 7.789 ppbv  
RT: 12.060 min Scan# 2941  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 91 Resp: 3344677  
Ion Ratio Lower Upper  
91 100  
106 30.9 25.2 37.8







#59

m/p-Xylene

Concen: 8.176 ppbv

RT: 12.339 min Scan# 3030

Delta R.T. -0.029 min

Lab File: VL040863.D

Acq: 15 Nov 2023 7:29

Instrument :

MSVOA\_L

ClientSampleId :

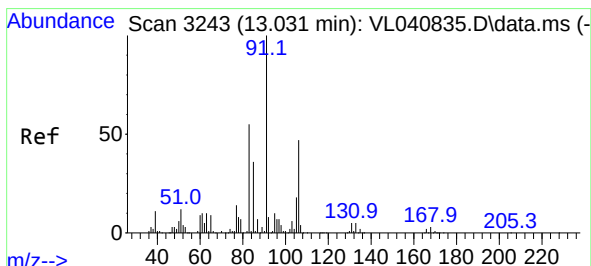
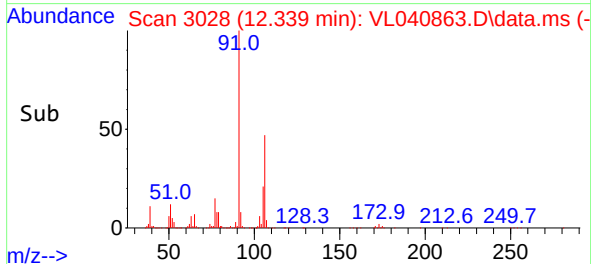
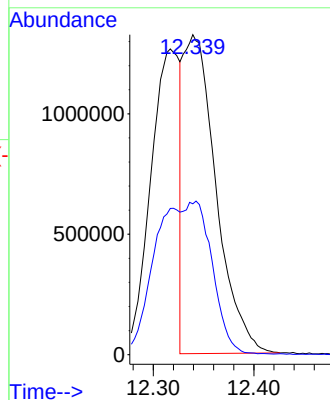
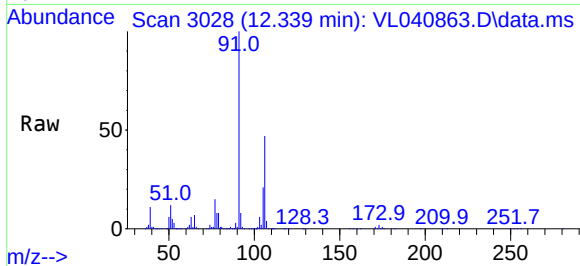
VSTDCCC010EC

Tgt Ion: 91 Resp: 2989477

Ion Ratio Lower Upper

91 100

106 83.9 35.4 53.0#



#60

o-Xylene

Concen: 7.557 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. -0.029 min

Lab File: VL040863.D

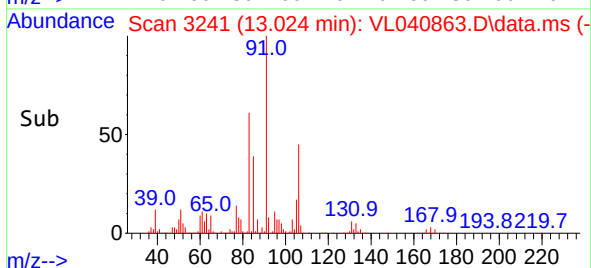
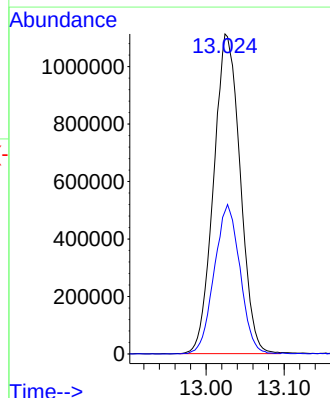
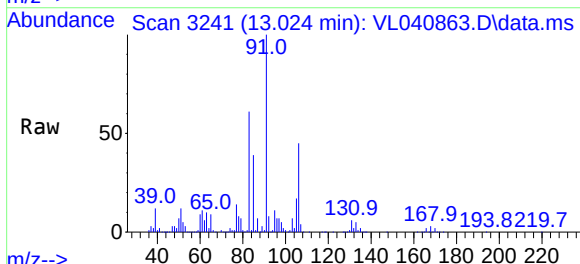
Acq: 15 Nov 2023 7:29

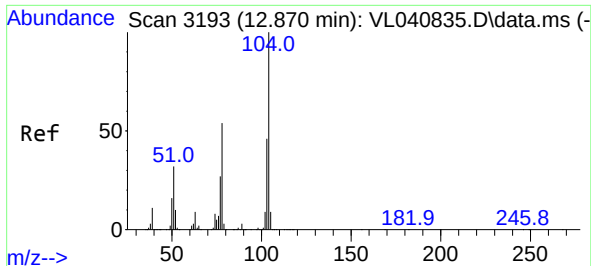
Tgt Ion: 91 Resp: 2630415

Ion Ratio Lower Upper

91 100

106 45.6 22.9 68.5

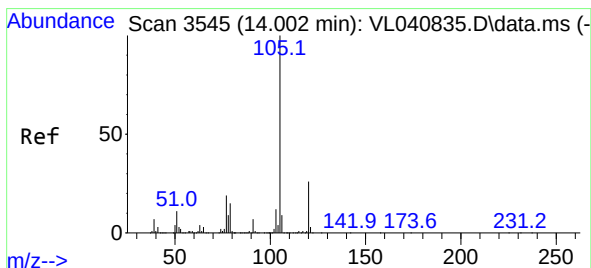
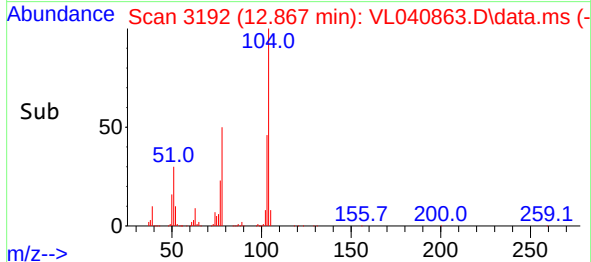
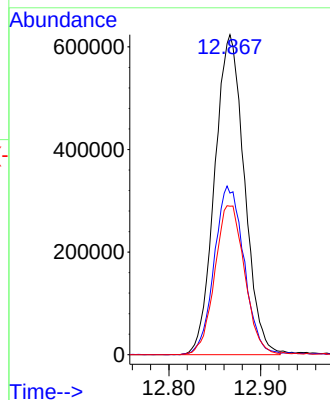
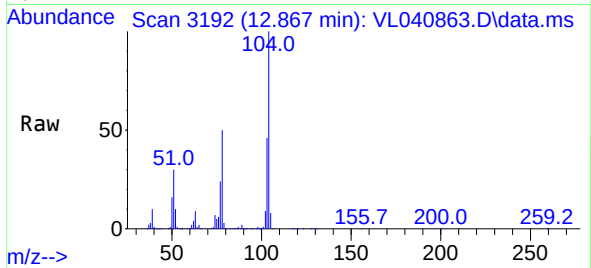




#61  
Styrene  
Concen: 8.358 ppbv  
RT: 12.867 min Scan# 3193  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

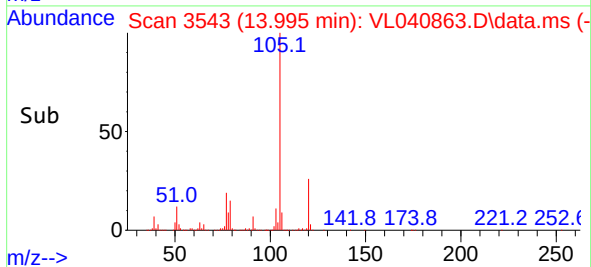
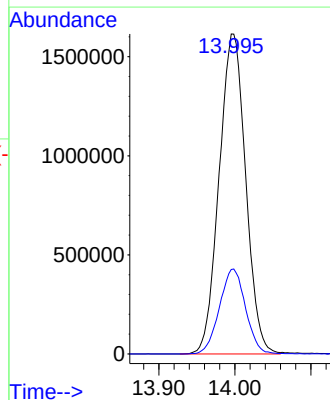
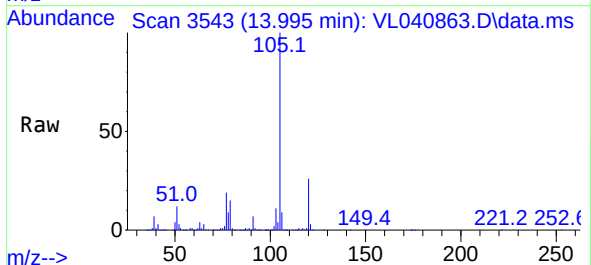
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

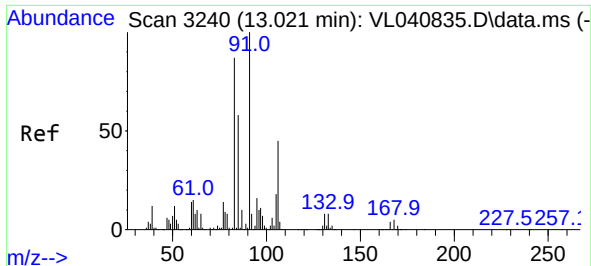
Tgt Ion:104 Resp: 1403045  
Ion Ratio Lower Upper  
104 100  
78 53.2 43.3 64.9  
103 47.3 37.6 56.4



#62  
Isopropylbenzene  
Concen: 7.614 ppbv  
RT: 13.995 min Scan# 3543  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:105 Resp: 3915474  
Ion Ratio Lower Upper  
105 100  
120 26.1 20.7 31.1

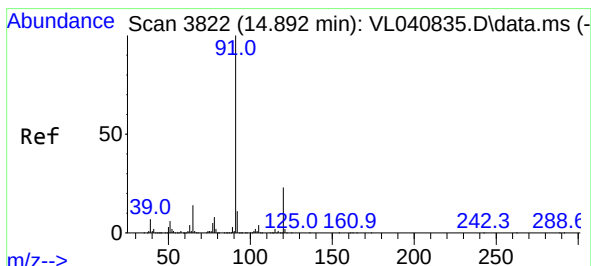
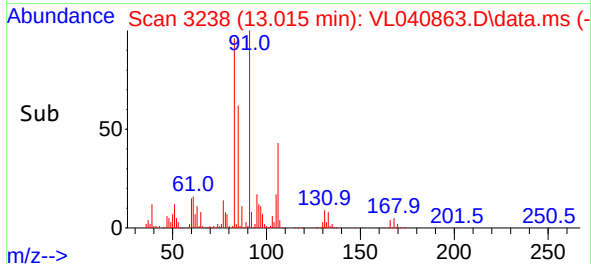
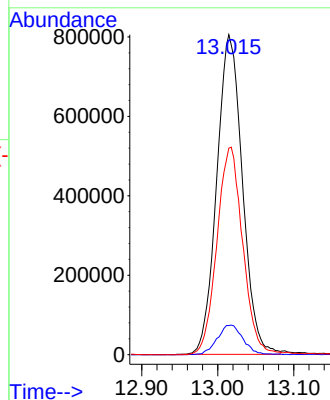
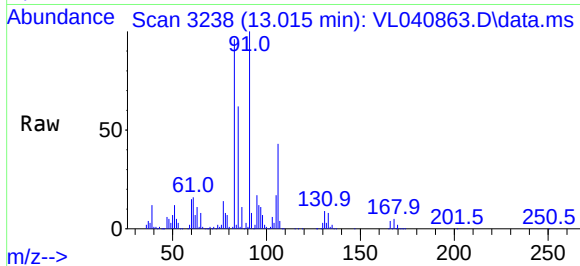




#63  
1,1,2,2-Tetrachloroethane  
Concen: 7.645 ppbv  
RT: 13.015 min Scan# 311  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

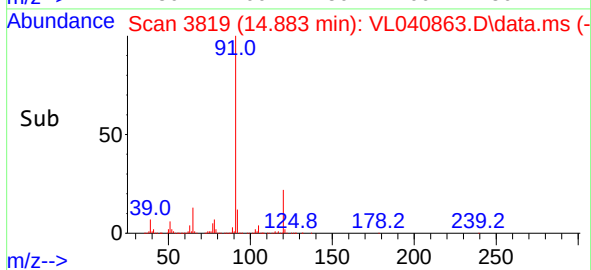
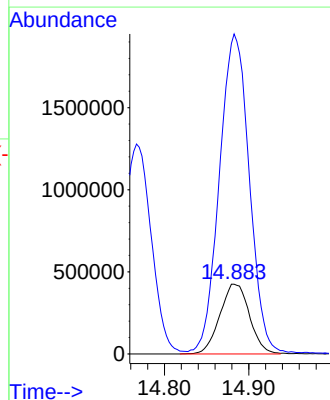
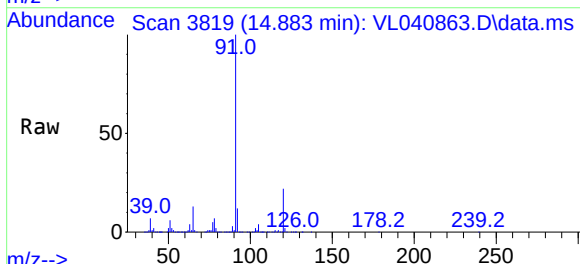
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

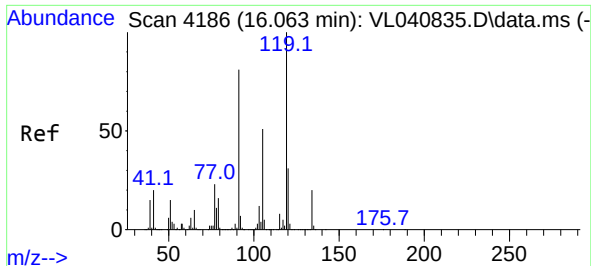
Tgt Ion: 83 Resp: 1886031  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.5 13.7  
85 66.2 32.9 98.7



#64  
n-propylbenzene  
Concen: 8.050 ppbv  
RT: 14.883 min Scan# 3819  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:120 Resp: 1037508  
Ion Ratio Lower Upper  
120 100  
91 464.0 381.1 571.7

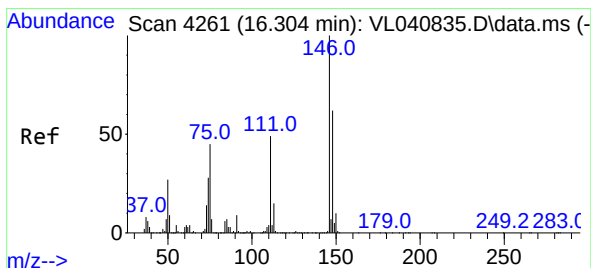
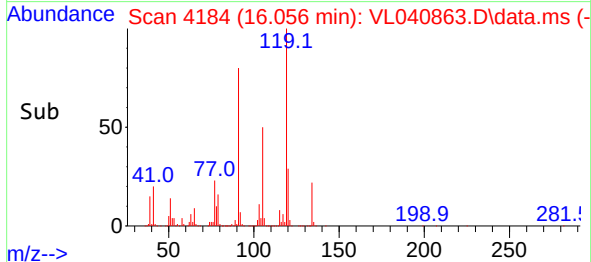
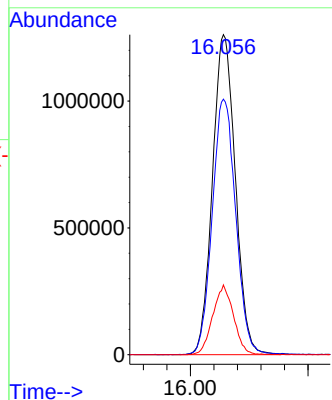
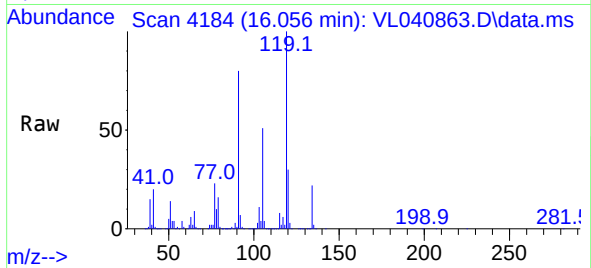




#65  
tert-Butylbenzene  
Concen: 7.854 ppbv  
RT: 16.056 min Scan# 4186  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

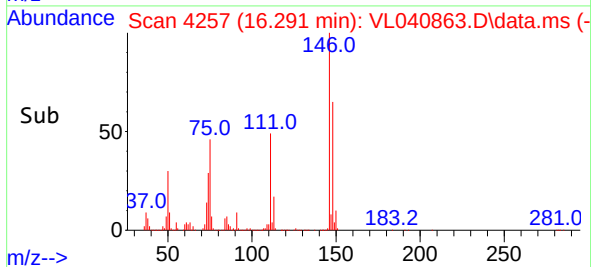
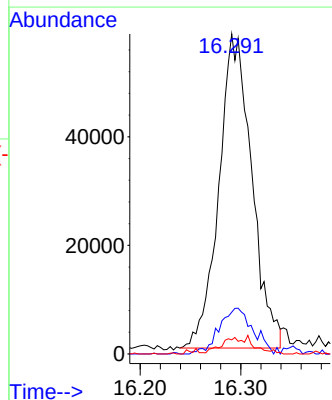
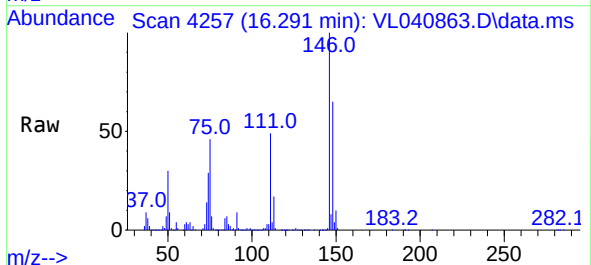
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

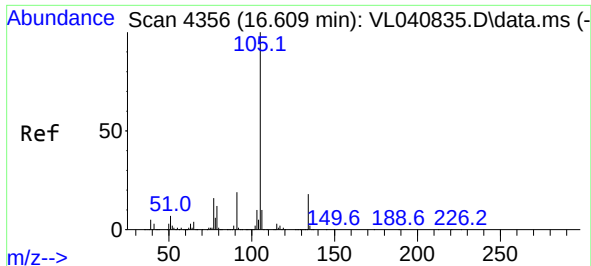
Tgt Ion:119 Resp: 3405461  
Ion Ratio Lower Upper  
119 100  
91 82.4 67.5 101.3  
134 19.8 15.9 23.9



#66  
Benzyl Chloride  
Concen: 8.229 ppbv  
RT: 16.291 min Scan# 4257  
Delta R.T. -0.036 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 91 Resp: 131492  
Ion Ratio Lower Upper  
91 100  
126 15.2 12.8 19.2  
128 5.7 0.0 0.0#

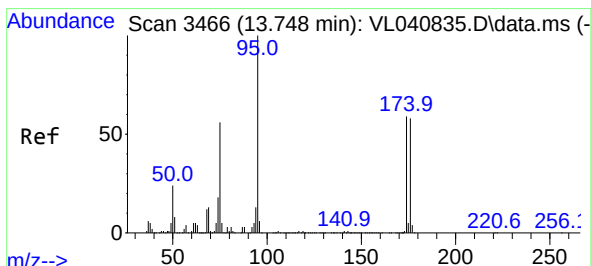
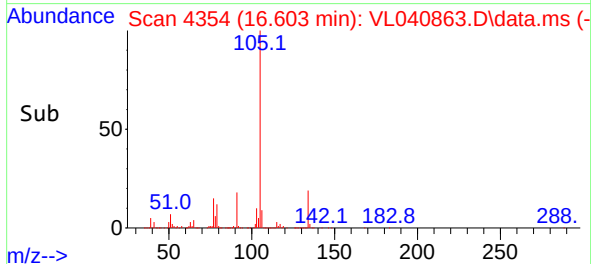
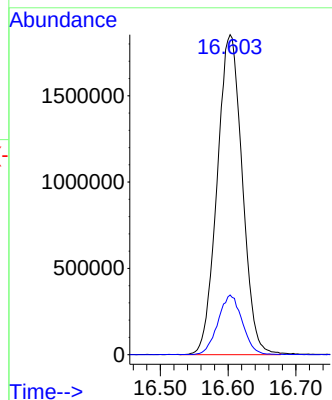
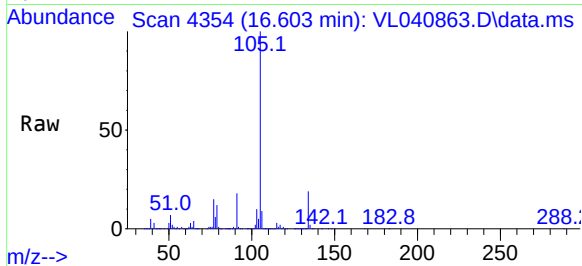




#67  
 sec-Butylbenzene  
 Concen: 7.705 ppbv  
 RT: 16.603 min Scan# 41  
 Delta R.T. -0.026 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

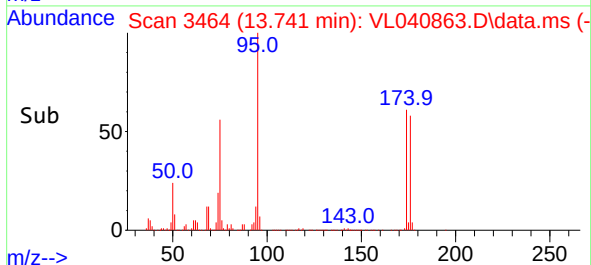
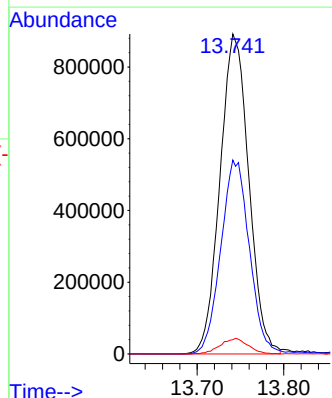
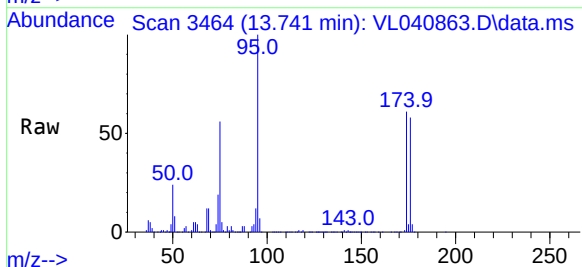
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

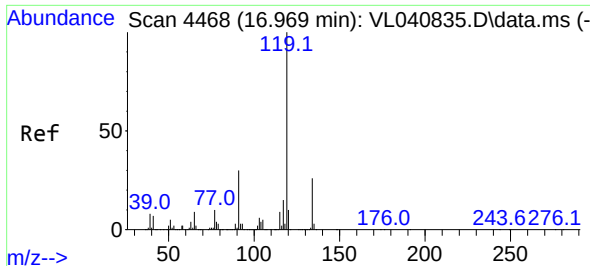
Tgt Ion:105 Resp: 4772714  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 14.3 21.5



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 7.985 ppbv  
 RT: 13.741 min Scan# 3464  
 Delta R.T. -0.029 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Tgt Ion: 95 Resp: 2057302  
 Ion Ratio Lower Upper  
 95 100  
 174 61.0 47.5 71.3  
 175 4.8 3.6 5.4

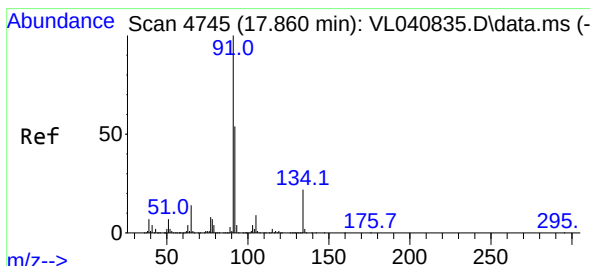
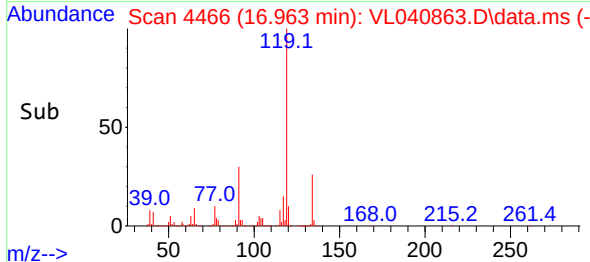
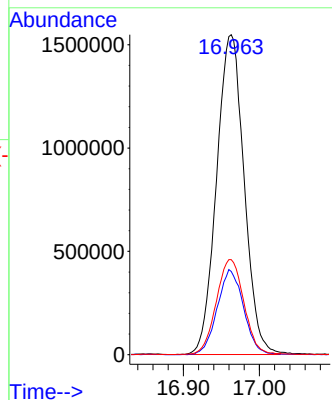
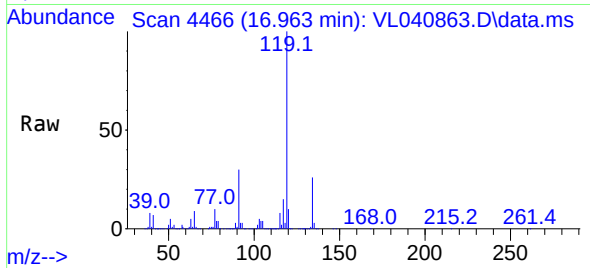




#69  
p-Isopropyltoluene  
Concen: 7.885 ppbv  
RT: 16.963 min Scan# 4468  
Delta R.T. -0.023 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

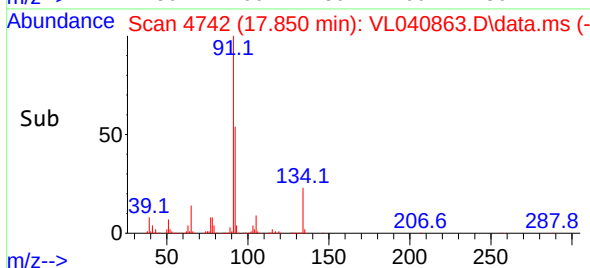
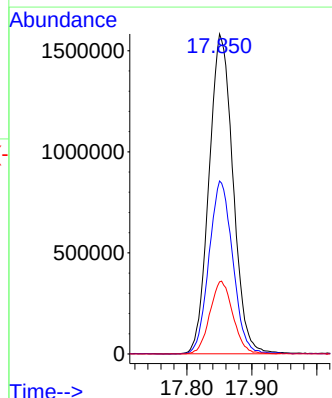
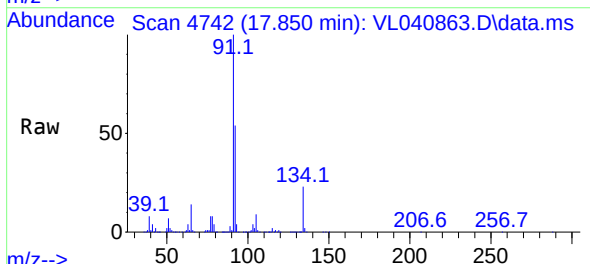
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

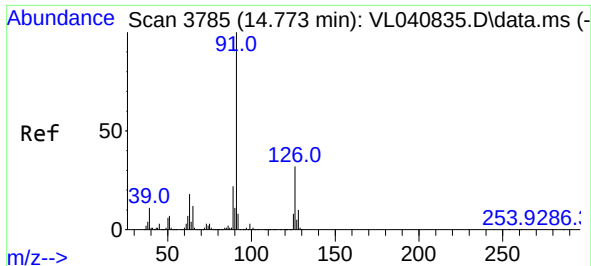
Tgt Ion:119 Resp: 3894567  
Ion Ratio Lower Upper  
119 100  
134 25.5 20.5 30.7  
91 29.9 24.7 37.1



#70  
n-Butylbenzene  
Concen: 7.773 ppbv  
RT: 17.850 min Scan# 4742  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 91 Resp: 4054278  
Ion Ratio Lower Upper  
91 100  
92 53.8 43.4 65.2  
134 22.0 17.4 26.0

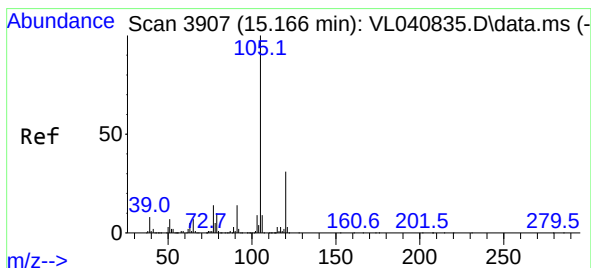
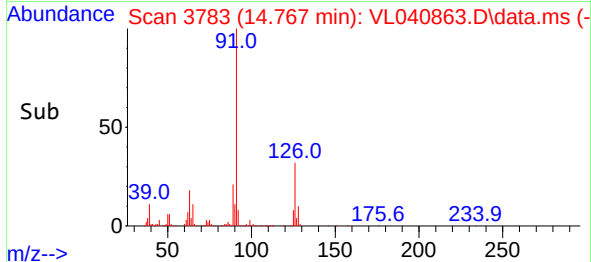
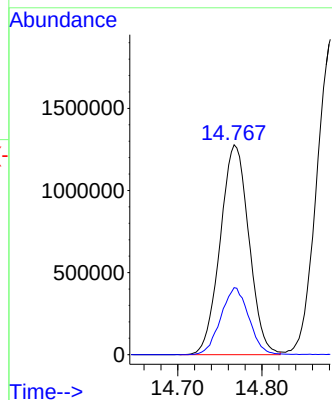
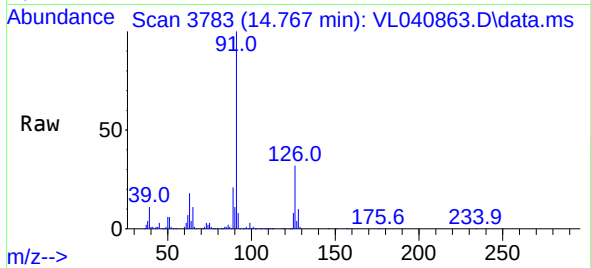




#71  
2-Chlorotoluene  
Concen: 7.712 ppbv  
RT: 14.767 min Scan# 31  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

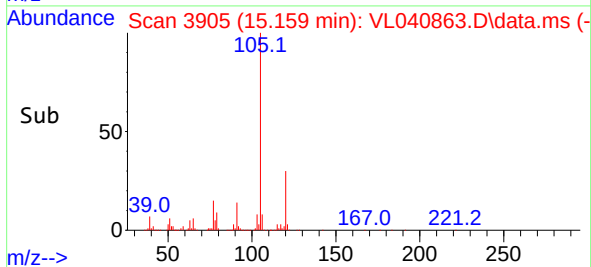
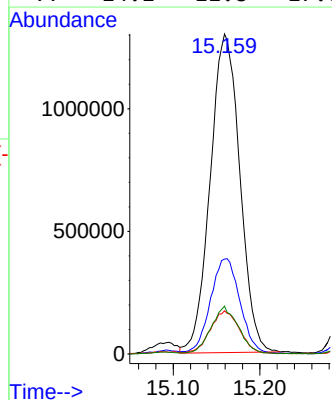
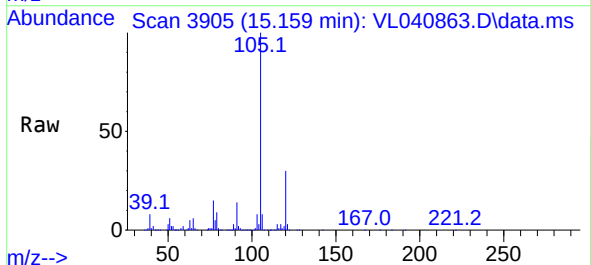
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

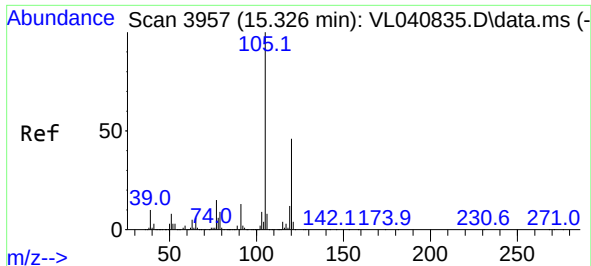
Tgt Ion: 91 Resp: 3023479  
Ion Ratio Lower Upper  
91 100  
126 31.3 12.1 48.5



#72  
4-Ethyltoluene  
Concen: 8.074 ppbv  
RT: 15.159 min Scan# 3905  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion: 105 Resp: 3089337  
Ion Ratio Lower Upper  
105 100  
120 30.9 24.5 36.7  
91 13.3 10.6 16.0  
77 14.1 11.8 17.6

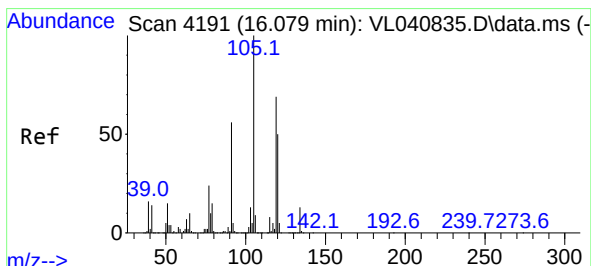
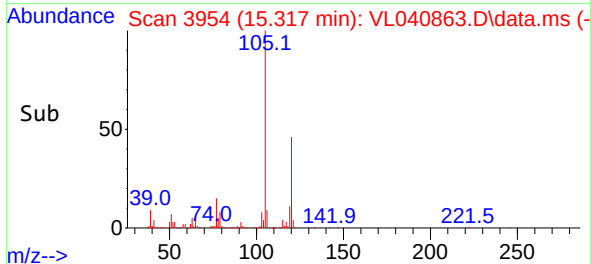
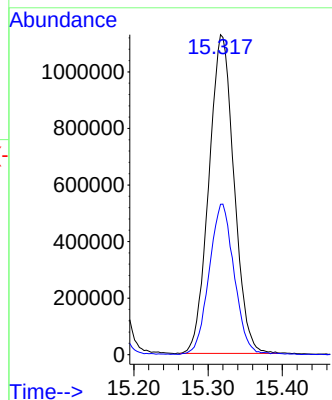
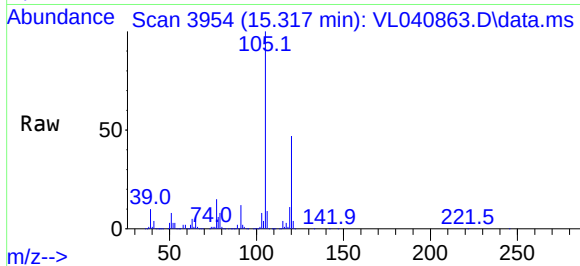




#73  
 1,3,5-Trimethylbenzene  
 Concen: 7.825 ppbv  
 RT: 15.317 min Scan# 3957  
 Delta R.T. -0.026 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

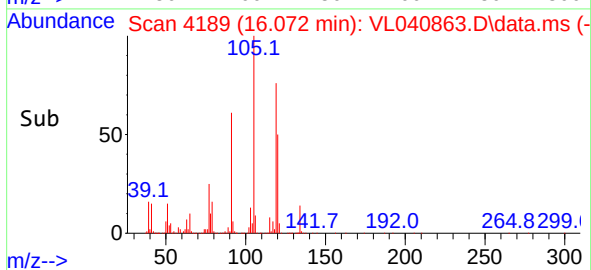
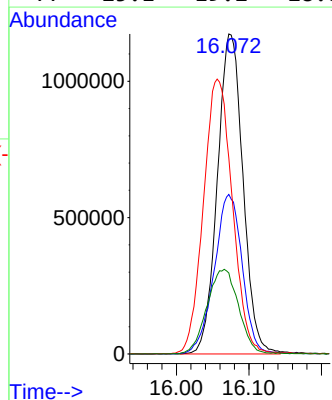
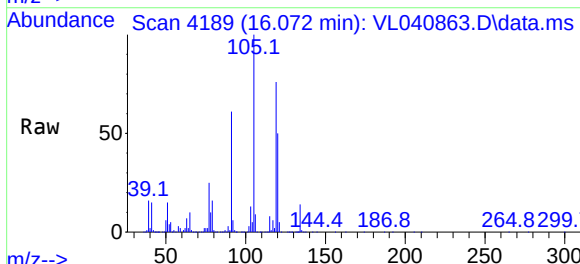
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:105 Resp: 2648137  
 Ion Ratio Lower Upper  
 105 100  
 120 47.1 36.8 55.2

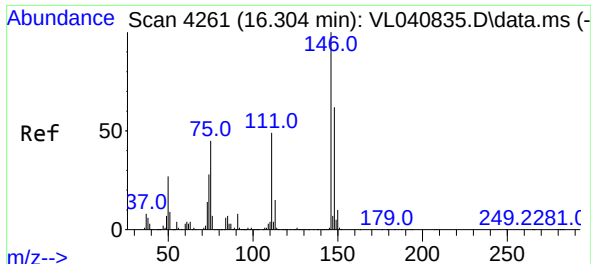


#74  
 1,2,4-Trimethylbenzene  
 Concen: 7.611 ppbv  
 RT: 16.072 min Scan# 4189  
 Delta R.T. -0.029 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Tgt Ion:105 Resp: 2874197  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 40.2 60.2  
 91 60.9 45.7 68.5  
 77 25.1 19.2 28.8



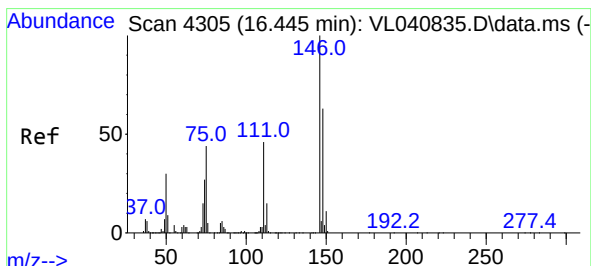
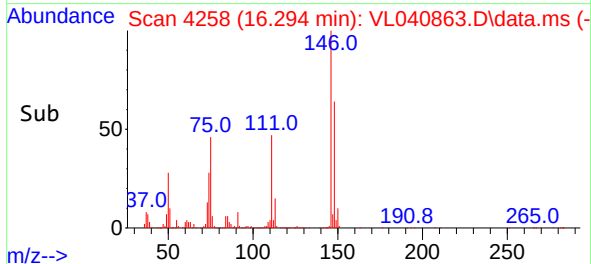
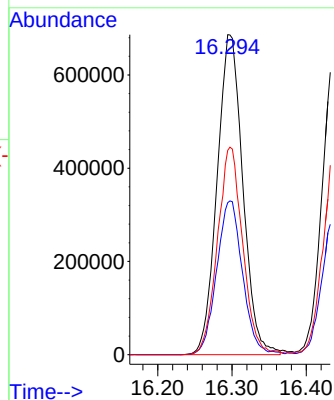
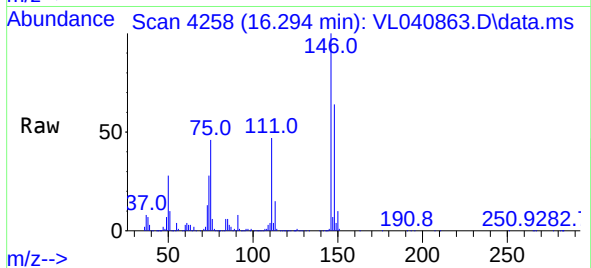




#75  
1,3-Dichlorobenzene  
Concen: 7.931 ppbv  
RT: 16.294 min Scan# 41  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

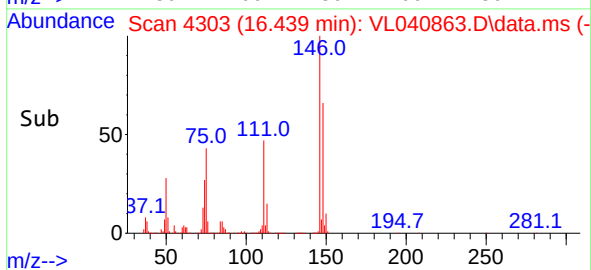
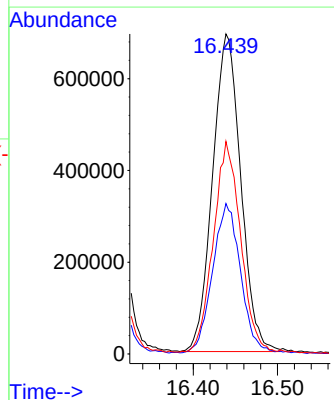
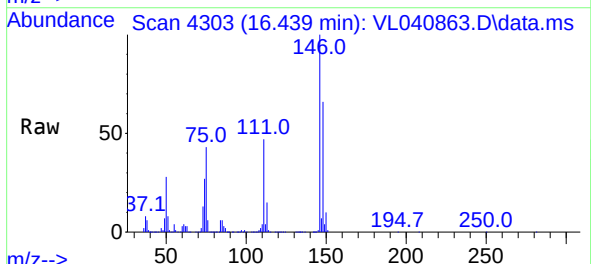
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

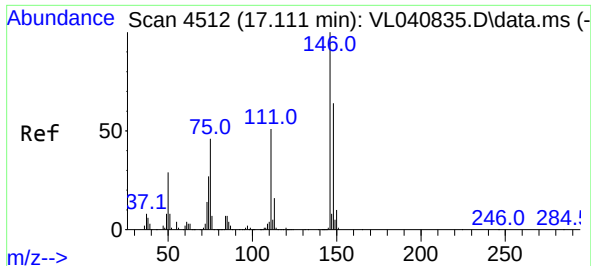
Tgt Ion:146 Resp: 1653856  
Ion Ratio Lower Upper  
146 100  
111 48.5 24.9 74.8  
148 63.9 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 8.052 ppbv  
RT: 16.439 min Scan# 4303  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:146 Resp: 1607496  
Ion Ratio Lower Upper  
146 100  
111 47.8 24.1 72.4  
148 66.6 32.3 96.9

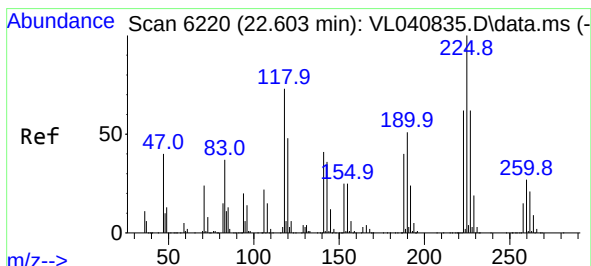
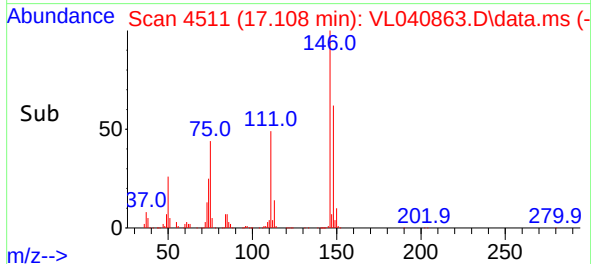
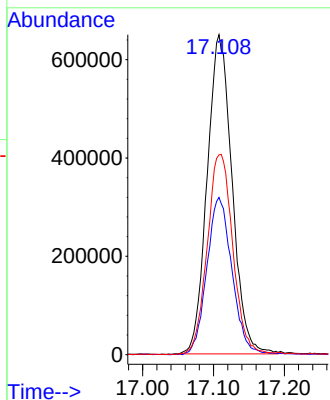
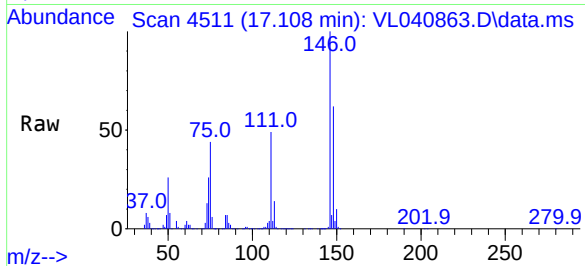




#77  
1,2-Dichlorobenzene  
Concen: 7.811 ppbv  
RT: 17.108 min Scan# 411  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

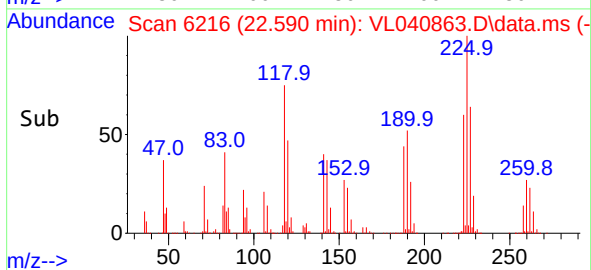
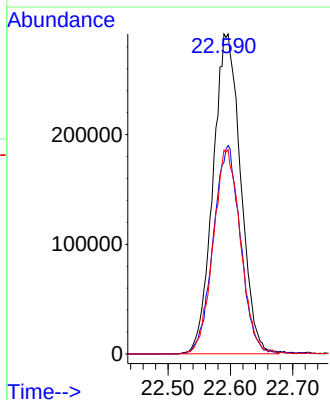
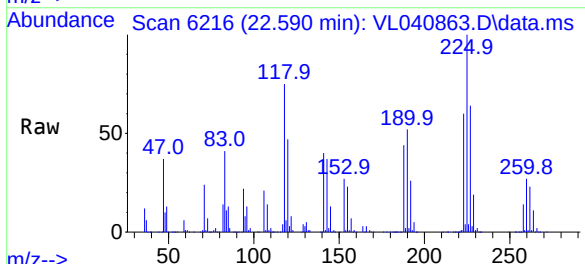
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

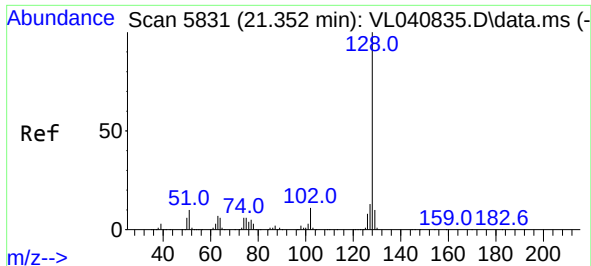
Tgt Ion:146 Resp: 1583836  
Ion Ratio Lower Upper  
146 100  
111 50.2 25.7 77.1  
148 64.9 32.3 96.9



#78  
Hexachloro-1,3-Butadiene  
Concen: 7.071 ppbv  
RT: 22.590 min Scan# 6216  
Delta R.T. -0.036 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

Tgt Ion:225 Resp: 897635  
Ion Ratio Lower Upper  
225 100  
223 64.4 51.1 76.7  
227 63.5 50.8 76.2

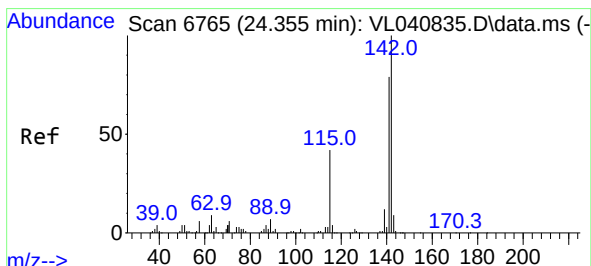
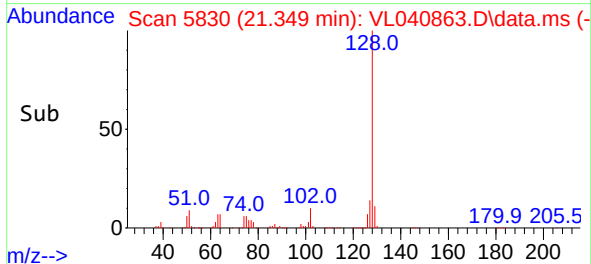
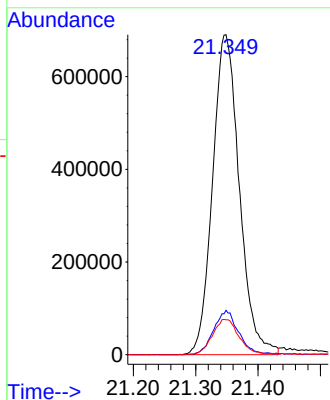
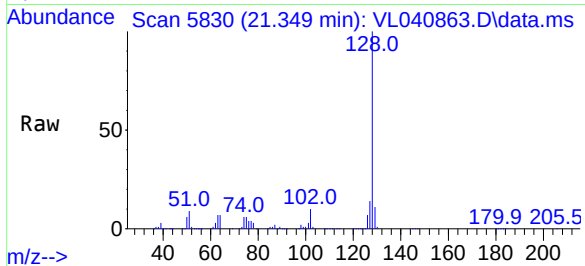




#79  
Naphthalene  
Concen: 10.605 ppbv  
RT: 21.349 min Scan# 5830  
Delta R.T. -0.029 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

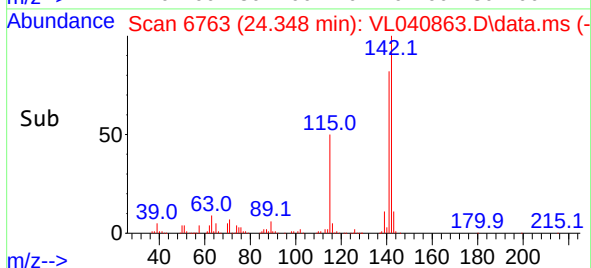
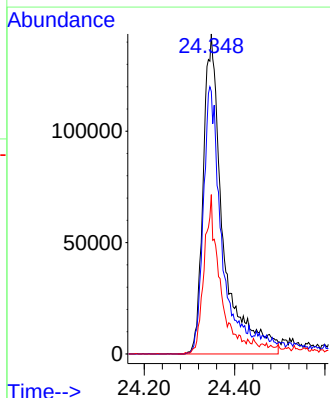
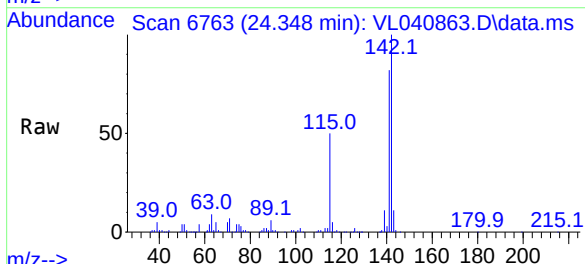
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

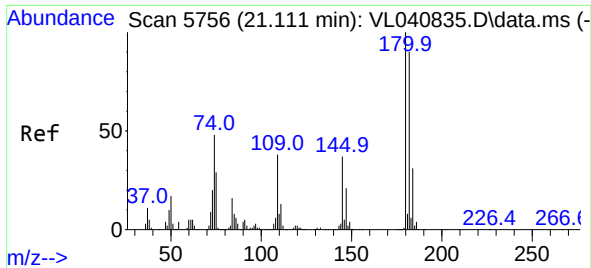
Tgt Ion:128 Resp: 2058501  
Ion Ratio Lower Upper  
128 100  
127 13.9 10.0 15.0  
129 10.9 8.3 12.5



#80  
Naphthalene,2-methyl-  
Concen: 12.823 ppbv  
RT: 24.348 min Scan# 6763  
Delta R.T. -0.026 min  
Lab File: VL040863.D  
Acq: 15 Nov 2023 7:29

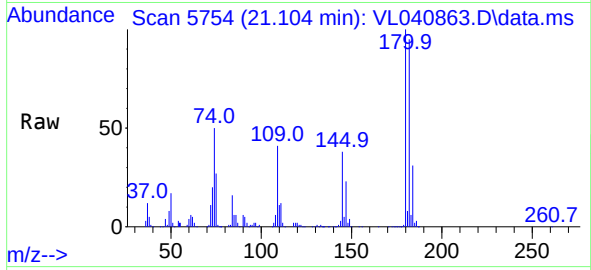
Tgt Ion:142 Resp: 439377  
Ion Ratio Lower Upper  
142 100  
141 83.1 65.8 98.8  
115 44.8 35.6 53.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.677 ppbv  
 RT: 21.104 min Scan# 51  
 Delta R.T. -0.023 min  
 Lab File: VL040863.D  
 Acq: 15 Nov 2023 7:29

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC



Tgt Ion:180 Resp: 1023887

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 98.8  | 77.6  | 116.4 |
| 184 | 30.1  | 24.2  | 36.2  |

