

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101123\  
 Data File : VL040756.D  
 Acq On : 11 Oct 2023 13:18  
 Operator : SY/MD  
 Sample : VSTDIC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

Quant Time: Oct 12 00:26:06 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Oct 12 00:21:08 2023  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.211  | 49   | 1143635  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.668  | 114  | 3150375  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.478 | 117  | 2973872  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.786 | 95    | 2207296  | 10.087   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.900% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.761 | 85  | 205373 | 1.020 | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 2.706 | 51  | 174381 | 1.038 | ppbv   | 99     |
| 4) Chloromethane              | 2.845 | 50  | 66654  | 1.004 | ppbv   | 94     |
| 5) Vinyl Chloride             | 2.951 | 62  | 57828  | 0.843 | ppbv # | 87     |
| 6) Bromomethane               | 3.147 | 94  | 29456  | 1.038 | ppbv   | 92     |
| 7) Chloroethane               | 3.227 | 64  | 20378  | 0.913 | ppbv   | 91     |
| 8) Dichlorotetrafluoroethane  | 2.886 | 85  | 156001 | 1.022 | ppbv   | 96     |
| 9) Propene                    | 2.726 | 41  | 65931  | 1.056 | ppbv   | 100    |
| 10) Heptane                   | 7.597 | 43  | 160680 | 1.025 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.587 | 101 | 160780 | 1.034 | ppbv   | 94     |
| 12) 1,1,2-Trichlorotrifluo... | 4.092 | 101 | 109644 | 0.989 | ppbv   | 95     |
| 13) Ethanol                   | 3.285 | 45  | 11348  | 0.805 | ppbv   | 76     |
| 14) Bromoethene               | 3.391 | 108 | 47569  | 1.002 | ppbv   | 93     |
| 15) Acetone                   | 3.504 | 43  | 122876 | 1.039 | ppbv   | 93     |
| 16) 1,3-Butadiene             | 3.015 | 39  | 55798  | 0.900 | ppbv   | 84     |
| 17) tert-Butyl alcohol        | 3.912 | 59  | 122669 | 1.012 | ppbv   | 97     |
| 18) 1,1-Dichloroethene        | 3.906 | 96  | 49030  | 0.987 | ppbv   | 89     |
| 19) Isopropyl Alcohol         | 3.616 | 45  | 72373  | 0.951 | ppbv # | 42     |
| 20) Methylene Chloride        | 3.954 | 84  | 23589  | 0.479 | ppbv   | 92     |
| 21) Allyl Chloride            | 4.025 | 41  | 75270  | 0.965 | ppbv   | 91     |
| 22) trans-1,2-Dichloroethene  | 4.468 | 96  | 47329  | 0.895 | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.648 | 43  | 157556 | 1.046 | ppbv # | 95     |
| 24) 1,1-Dichloroethane        | 4.587 | 63  | 107260 | 0.944 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.227 | 43  | 257952 | 0.996 | ppbv   | 99     |
| 26) Hexane                    | 5.234 | 57  | 123343 | 1.042 | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.150 | 76  | 129582 | 0.992 | ppbv # | 88     |
| 28) Methyl tert-Butyl Ether   | 4.619 | 73  | 90167  | 0.979 | ppbv # | 90     |
| 29) Chloroform                | 5.288 | 83  | 175659 | 1.025 | ppbv   | 98     |
| 30) Cyclohexane               | 6.619 | 84  | 102146 | 1.014 | ppbv   | 95     |
| 31) cis-1,2-Dichloroethene    | 5.099 | 61  | 111380 | 1.021 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.018 | 97  | 178059 | 0.977 | ppbv   | 99     |
| 34) 2-Butanone                | 4.816 | 43  | 149172 | 1.046 | ppbv   | 94     |
| 35) Carbon Tetrachloride      | 6.510 | 117 | 177808 | 1.006 | ppbv   | 91     |
| 36) Benzene                   | 6.388 | 78  | 249931 | 1.031 | ppbv   | 94     |
| 37) 1,2-Dichloroethane        | 5.825 | 62  | 123400 | 0.994 | ppbv   | 98     |
| 38) Trichloroethene           | 7.301 | 130 | 97693  | 0.911 | ppbv   | 87     |
| 39) 1,2-Dichloropropane       | 7.089 | 63  | 92187  | 0.974 | ppbv   | 92     |
| 40) 1,4-Dioxane               | 7.324 | 88  | 2704   | 0.075 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.590 | 42  | 96485  | 0.977 | ppbv   | 93     |
| 42) Bromodichloromethane      | 7.266 | 83  | 186904 | 1.005 | ppbv # | 97     |
| 43) Methyl Methacrylate       | 7.491 | 69  | 94226  | 0.971 | ppbv   | 95     |
| 44) 2,2,4-Trimethylpentane    | 7.346 | 57  | 223363 | 0.545 | ppbv # | 47     |
| 45) t-1,3-Dichloropropene     | 8.722 | 75  | 69471  | 0.898 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101123\  
 Data File : VL040756.D  
 Acq On : 11 Oct 2023 13:18  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

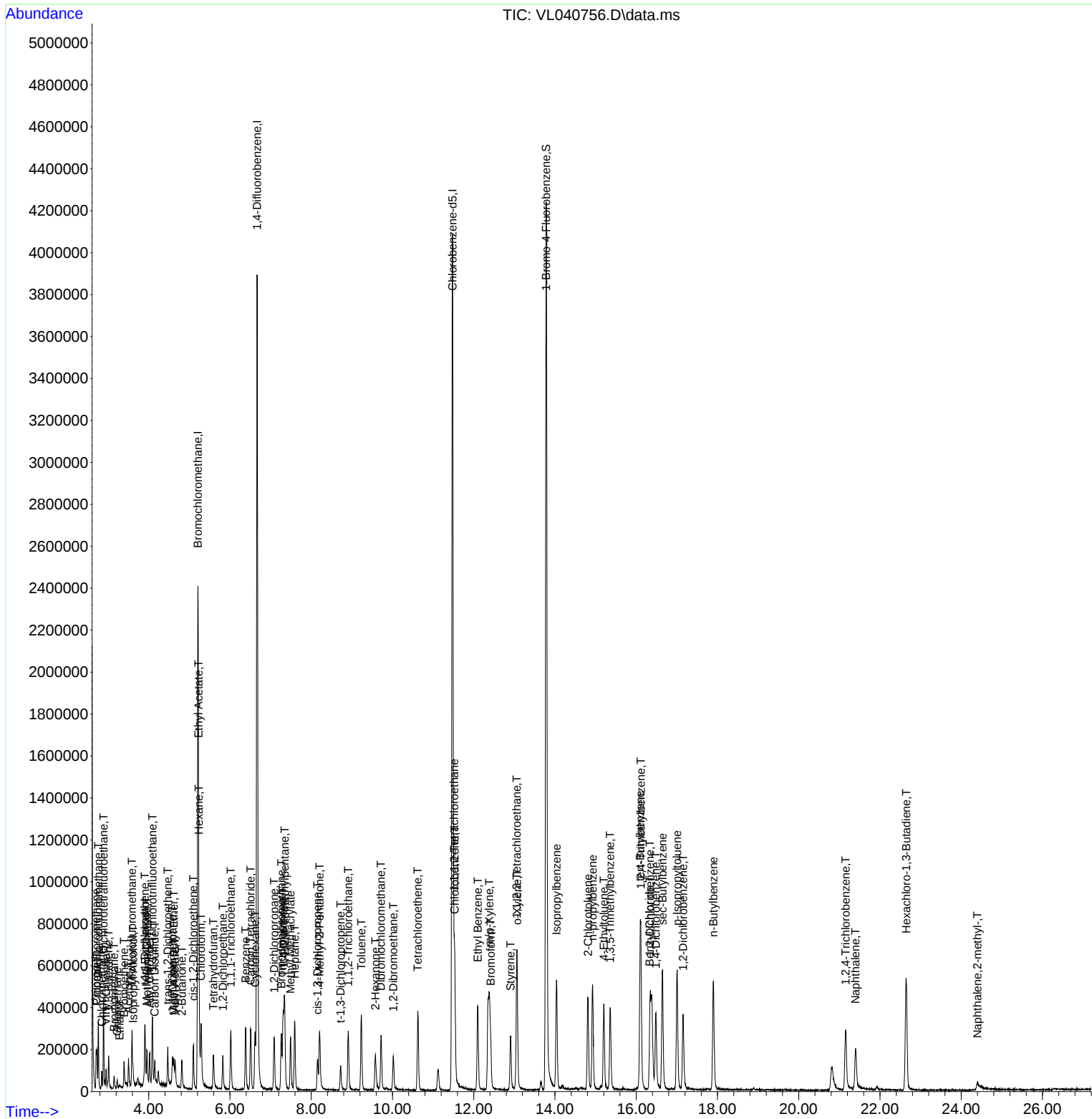
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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Oct 12 00:21:08 2023  
 Response via : Initial Calibration

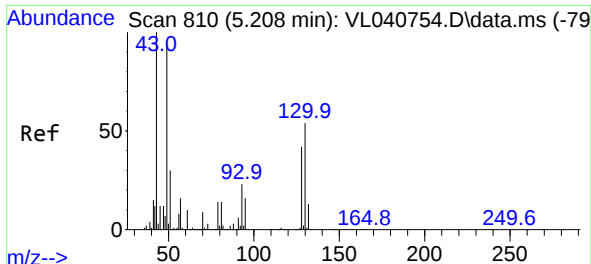
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.153  | 75   | 43758    | 0.463 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.912  | 97   | 100228   | 1.008 | ppbv   | 93       |
| 48) Dibromochloromethane      | 9.719  | 129  | 87864    | 0.527 | ppbv # | 20       |
| 49) Bromoform                 | 12.417 | 173  | 129491   | 0.956 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.208  | 43   | 242955   | 0.996 | ppbv   | 96       |
| 51) 2-Hexanone                | 9.581  | 43   | 182540   | 0.983 | ppbv # | 96       |
| 52) Tetrachloroethene         | 10.622 | 164  | 97483    | 0.990 | ppbv   | 86       |
| 53) Toluene                   | 9.233  | 91   | 298781   | 1.036 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 10.021 | 107  | 141038   | 1.012 | ppbv   | 94       |
| 56) 1,1,1,2-Tetrachloroethane | 11.519 | 131  | 126176   | 1.040 | ppbv # | 1        |
| 57) Chlorobenzene             | 11.536 | 112  | 223993   | 1.051 | ppbv # | 97       |
| 58) Ethyl Benzene             | 12.101 | 91   | 223215   | 0.596 | ppbv   | 94       |
| 59) m/p-Xylene                | 12.384 | 91   | 335404   | 1.088 | ppbv # | 30       |
| 60) o-Xylene                  | 13.072 | 91   | 133409   | 0.454 | ppbv # | 2        |
| 61) Styrene                   | 12.908 | 104  | 164955   | 1.014 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.040 | 105  | 490605   | 1.086 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 13.056 | 83   | 212188   | 0.964 | ppbv   | 97       |
| 64) n-propylbenzene           | 14.928 | 120  | 129166   | 1.064 | ppbv   | 88       |
| 65) tert-Butylbenzene         | 16.098 | 119  | 451121   | 1.107 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.333 | 91   | 14581    | 0.355 | ppbv # | 60       |
| 67) sec-Butylbenzene          | 16.648 | 105  | 614232   | 1.101 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 513302   | 1.098 | ppbv   | 98       |
| 70) n-Butylbenzene            | 17.899 | 91   | 489705   | 1.067 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 147274   | 0.434 | ppbv # | 15       |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 357589   | 1.040 | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 15.359 | 105  | 322991   | 1.067 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 16.114 | 105  | 361805   | 1.094 | ppbv # | 92       |
| 75) 1,3-Dichlorobenzene       | 16.336 | 146  | 216939   | 1.055 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.484 | 146  | 122088   | 0.599 | ppbv # | 45       |
| 77) 1,2-Dichlorobenzene       | 17.156 | 146  | 207258   | 1.027 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 22.644 | 225  | 165894   | 1.149 | ppbv   | 99       |
| 79) Naphthalene               | 21.400 | 128  | 142700   | 0.531 | ppbv   | 95       |
| 80) Naphthalene,2-methyl-     | 24.400 | 142  | 35097    | 0.465 | ppbv   | 93       |
| 81) 1,2,4-Trichlorobenzene    | 21.153 | 180  | 144141   | 0.987 | ppbv   | 100      |

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

**Instrument :**  
MSVOA\_L  
**ClientSampleId :**  
VSTDICC001

Quant Time: Oct 12 00:26:06 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL101123AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Oct 12 00:21:08 2023  
Response via : Initial Calibration

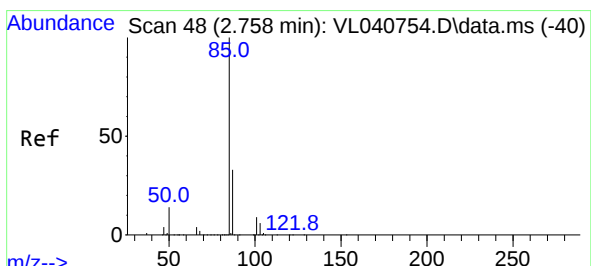
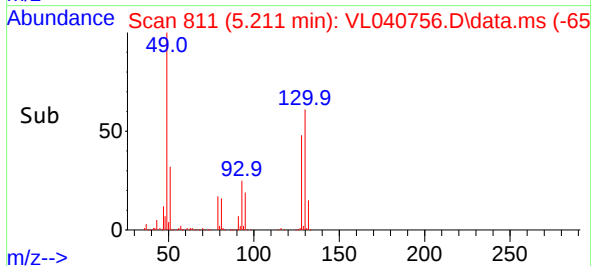
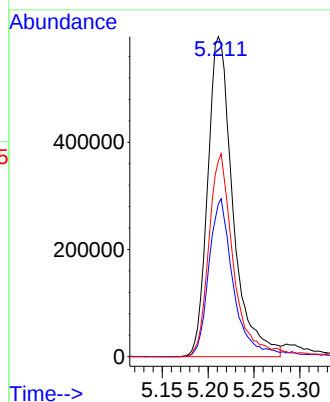
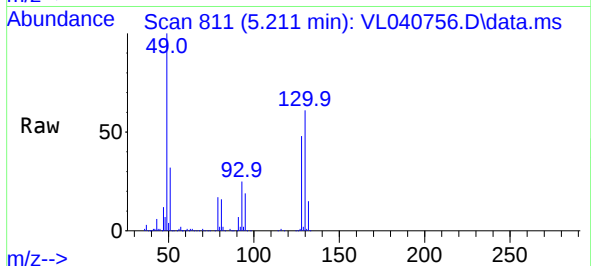




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.211 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

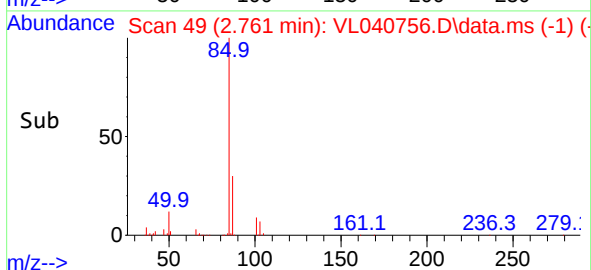
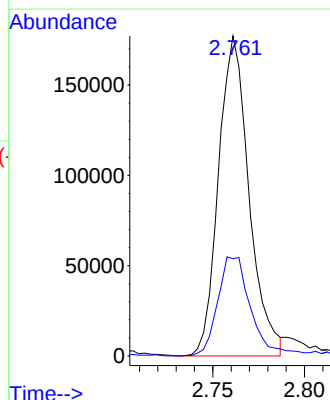
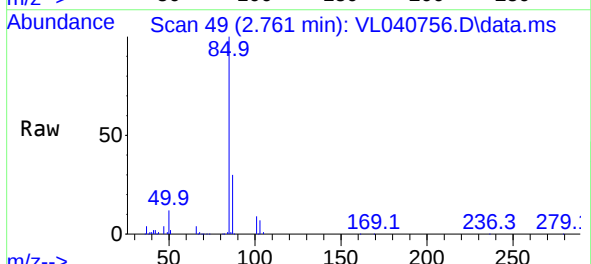
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

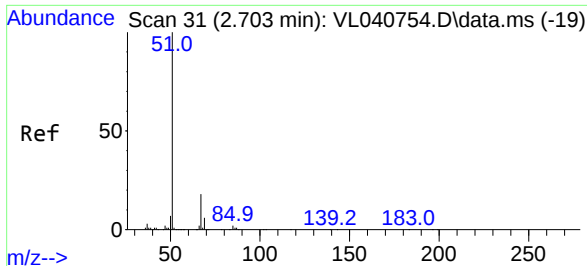
Tgt Ion: 49 Resp: 1143635  
Ion Ratio Lower Upper  
49 100  
128 49.3 23.9 71.7  
130 64.6 30.7 92.1



#2  
Dichlorodifluoromethane  
Concen: 1.020 ppbv  
RT: 2.761 min Scan# 49  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 85 Resp: 205373  
Ion Ratio Lower Upper  
85 100  
87 30.4 26.0 39.0

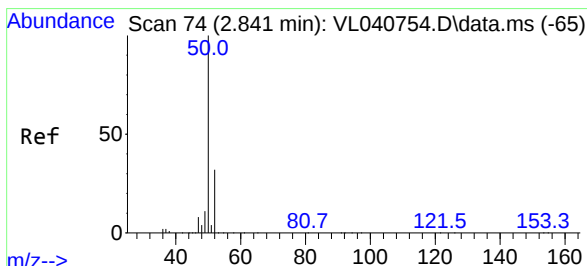
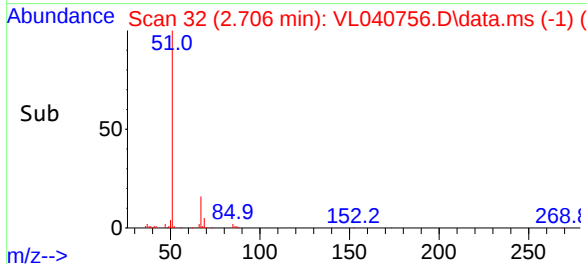
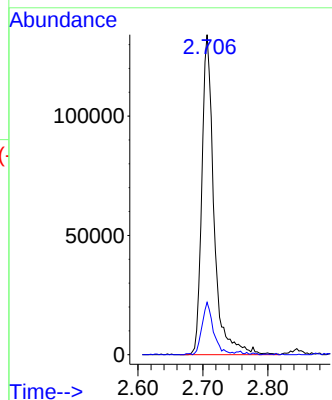
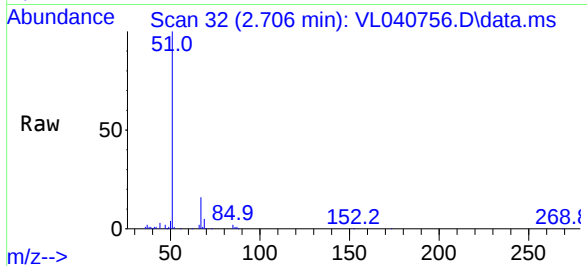




#3  
Chlorodifluoromethane  
Concen: 1.038 ppbv  
RT: 2.706 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

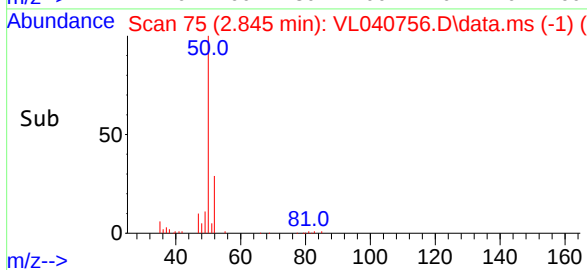
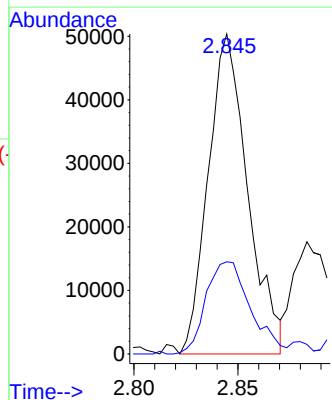
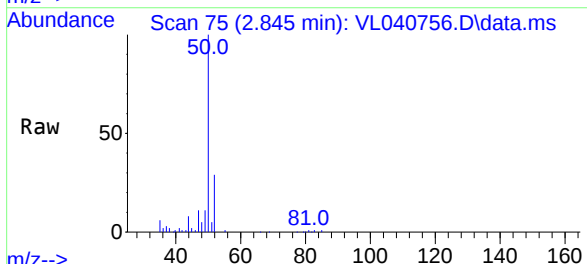
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

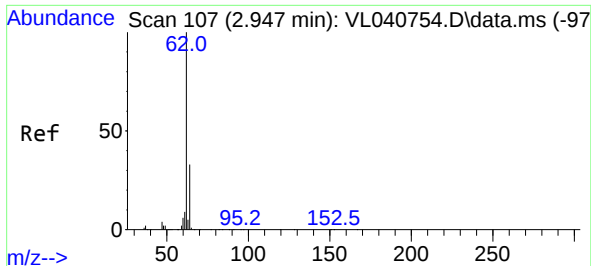
Tgt Ion: 51 Resp: 174381  
Ion Ratio Lower Upper  
51 100  
67 16.7 13.8 20.6



#4  
Chloromethane  
Concen: 1.004 ppbv  
RT: 2.845 min Scan# 75  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 50 Resp: 66654  
Ion Ratio Lower Upper  
50 100  
52 28.4 25.3 37.9

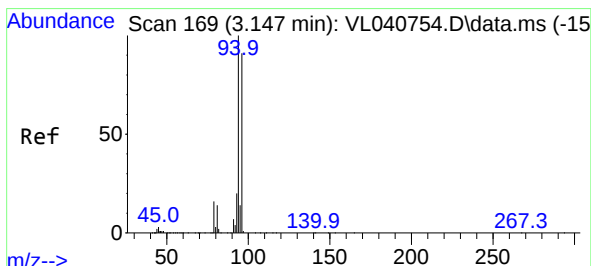
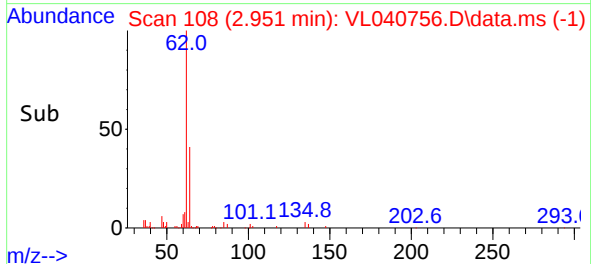
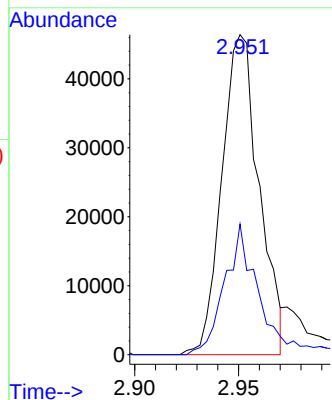
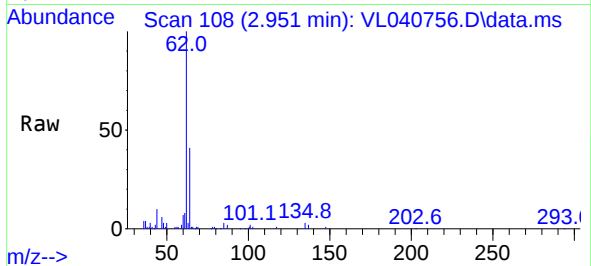




#5  
 Vinyl Chloride  
 Concen: 0.843 ppbv  
 RT: 2.951 min Scan# 108  
 Delta R.T. 0.003 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

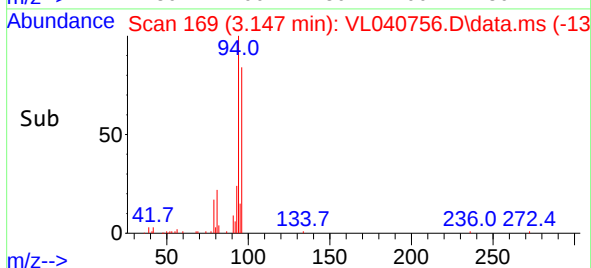
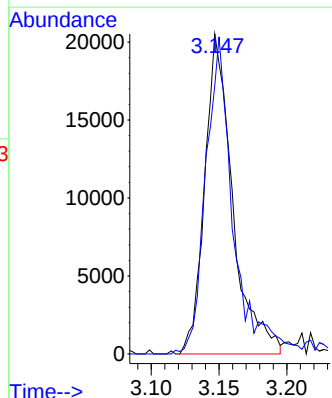
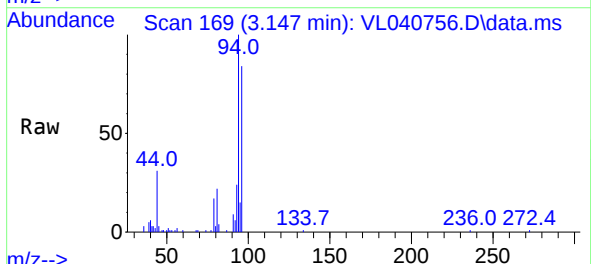
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

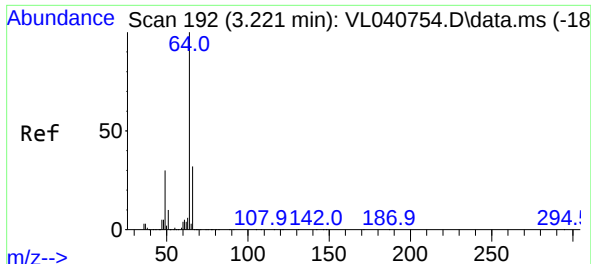
Tgt Ion: 62 Resp: 57828  
 Ion Ratio Lower Upper  
 62 100  
 64 40.8 26.6 39.8#



#6  
 Bromomethane  
 Concen: 1.038 ppbv  
 RT: 3.147 min Scan# 169  
 Delta R.T. 0.000 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

Tgt Ion: 94 Resp: 29456  
 Ion Ratio Lower Upper  
 94 100  
 96 83.1 72.6 109.0

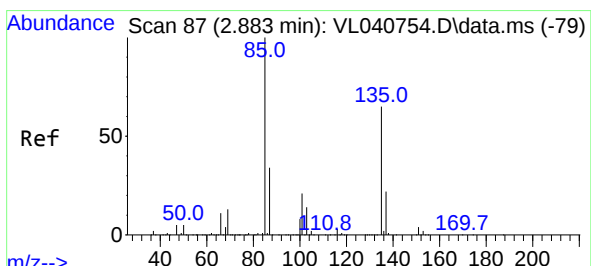
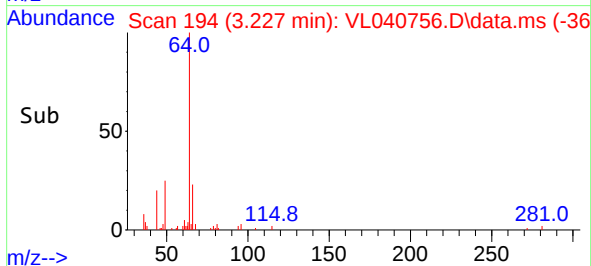
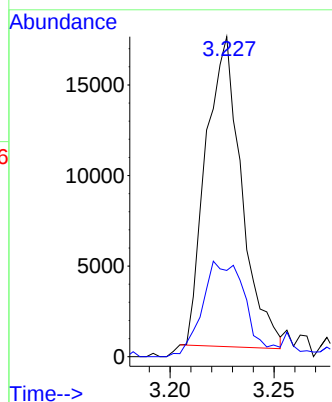
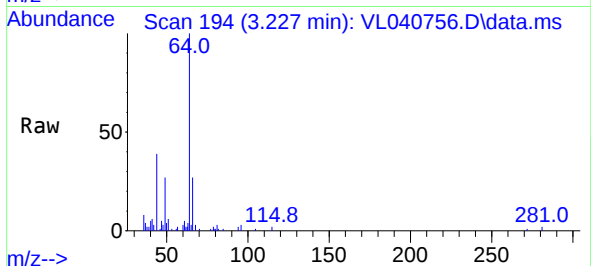




#7  
Chloroethane  
Concen: 0.913 ppbv  
RT: 3.227 min Scan# 19  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

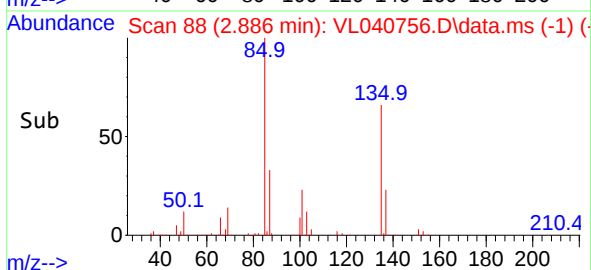
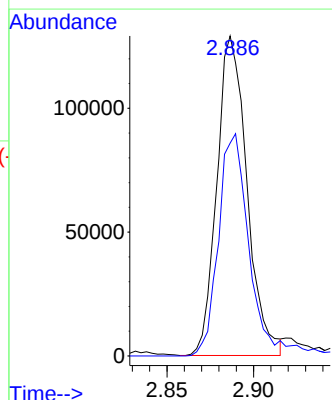
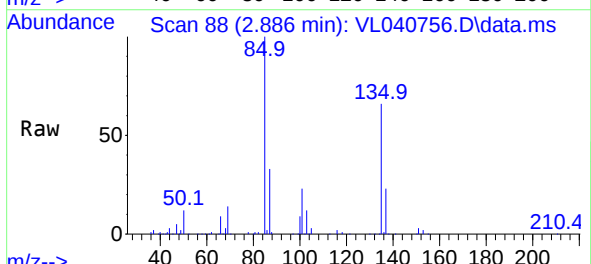
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

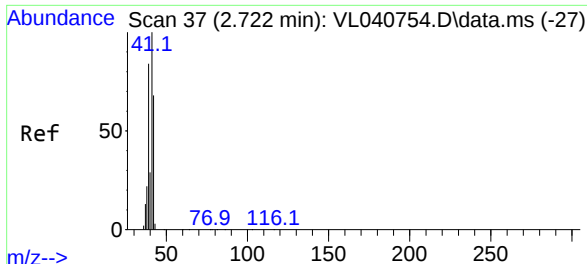
Tgt Ion: 64 Resp: 20378  
Ion Ratio Lower Upper  
64 100  
66 26.9 25.4 38.2



#8  
Dichlorotetrafluoroethane  
Concen: 1.022 ppbv  
RT: 2.886 min Scan# 88  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 85 Resp: 156001  
Ion Ratio Lower Upper  
85 100  
135 72.6 55.4 83.2





#9

Propene

Concen: 1.056 ppbv

RT: 2.726 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_1

ClientSampleId :

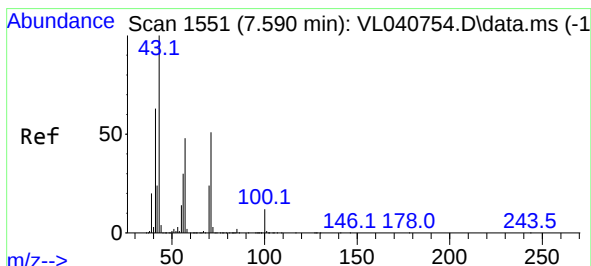
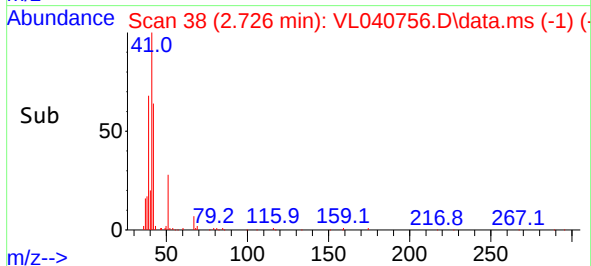
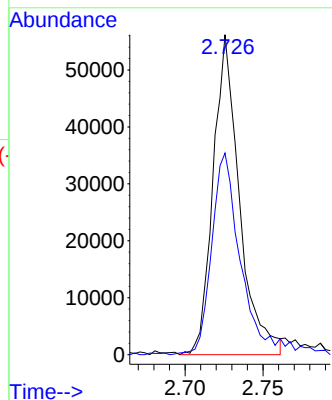
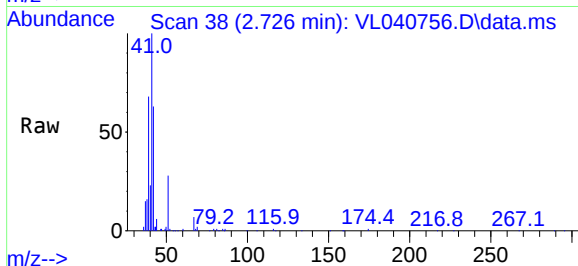
VSTDIC001

Tgt Ion: 41 Resp: 65931

Ion Ratio Lower Upper

41 100

42 71.4 57.1 85.7



#10

Heptane

Concen: 1.025 ppbv

RT: 7.597 min Scan# 1553

Delta R.T. 0.006 min

Lab File: VL040756.D

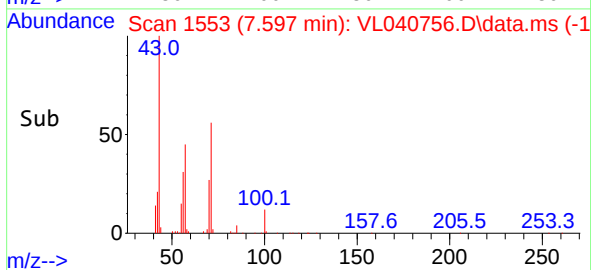
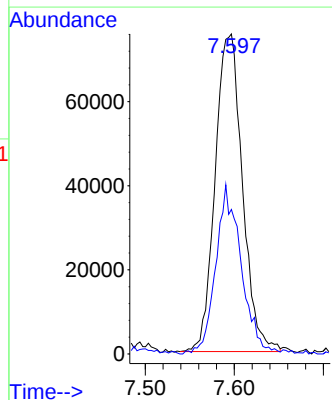
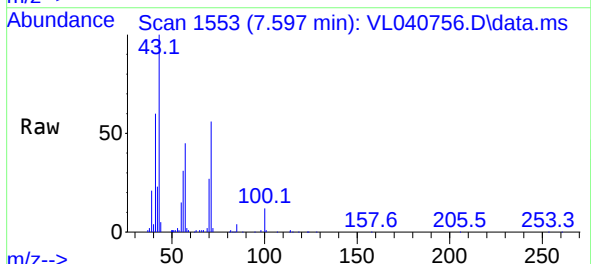
Acq: 11 Oct 2023 13:18

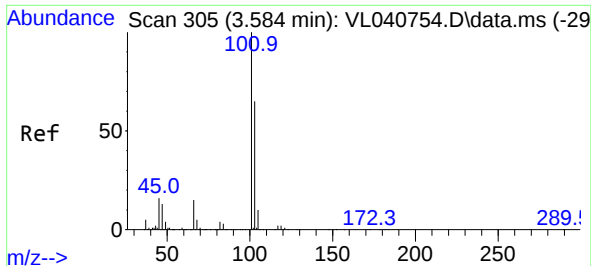
Tgt Ion: 43 Resp: 160680

Ion Ratio Lower Upper

43 100

57 50.2 40.0 60.0

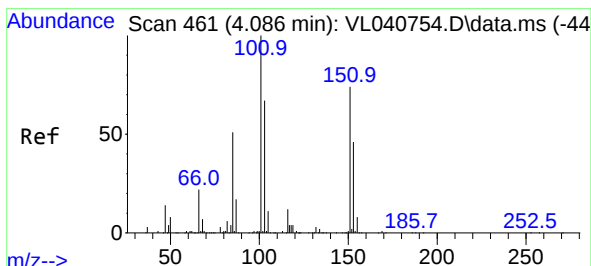
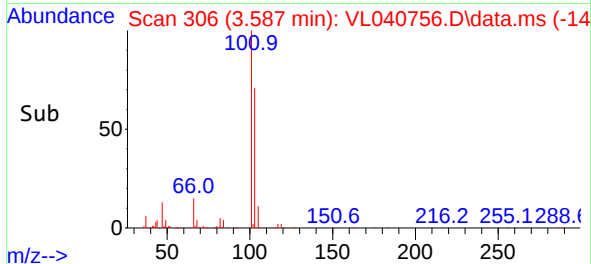
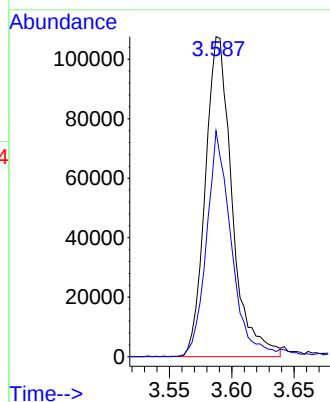
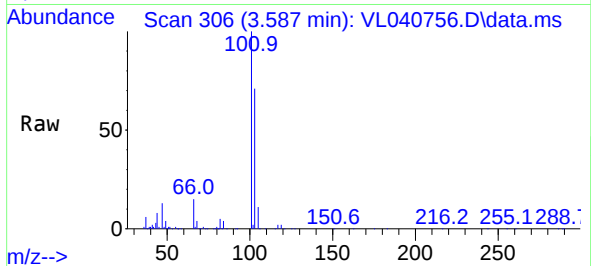




#11  
Trichlorofluoromethane  
Concen: 1.034 ppbv  
RT: 3.587 min Scan# 305  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

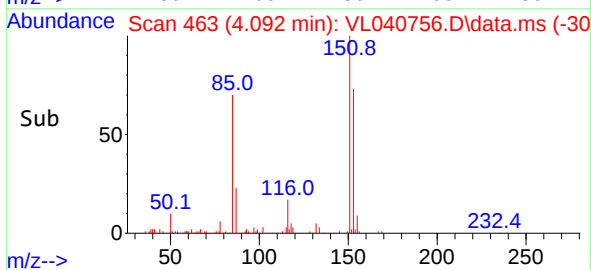
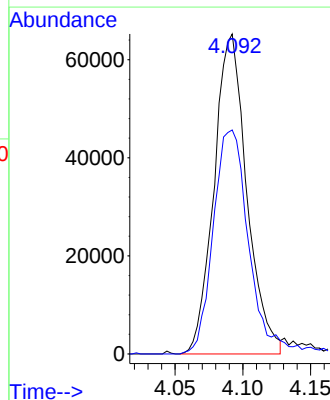
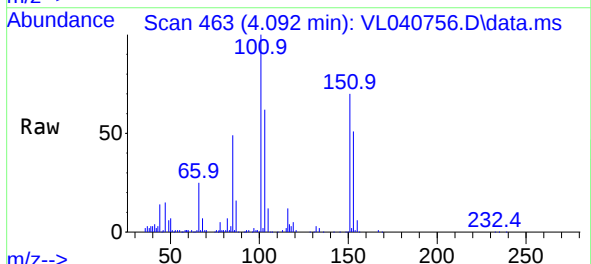
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

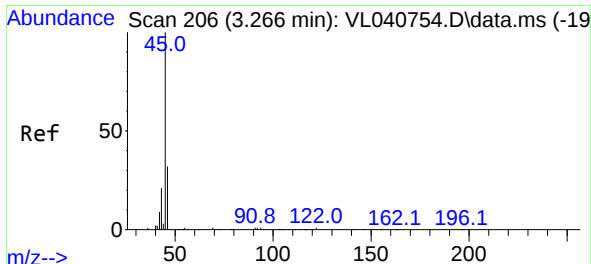
Tgt Ion:101 Resp: 160780  
Ion Ratio Lower Upper  
101 100  
103 70.3 52.2 78.2



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.989 ppbv  
RT: 4.092 min Scan# 463  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:101 Resp: 109644  
Ion Ratio Lower Upper  
101 100  
151 77.0 58.1 87.1

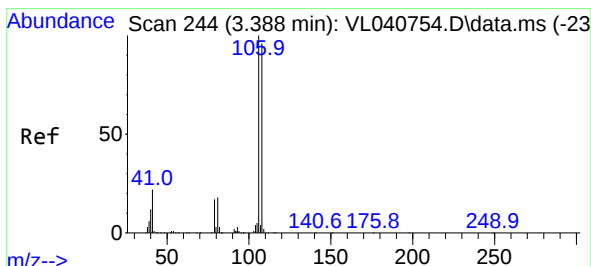
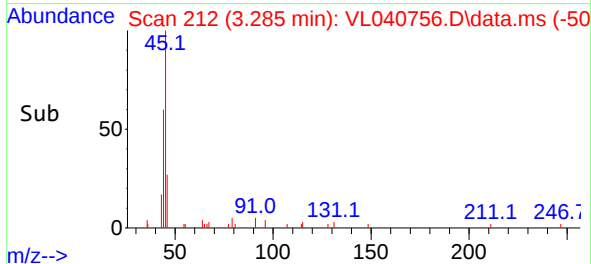
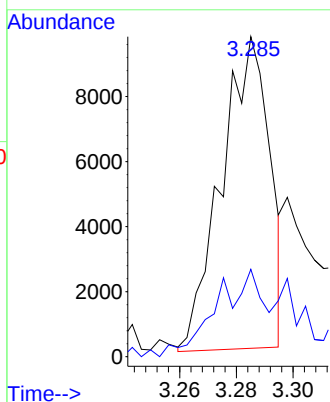
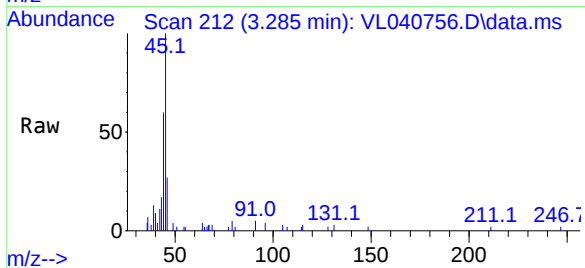




#13  
Ethanol  
Concen: 0.805 ppbv  
RT: 3.285 min Scan# 211  
Delta R.T. 0.019 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

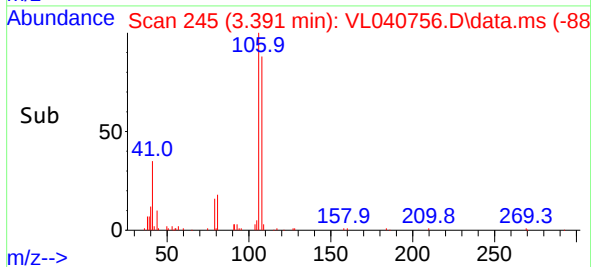
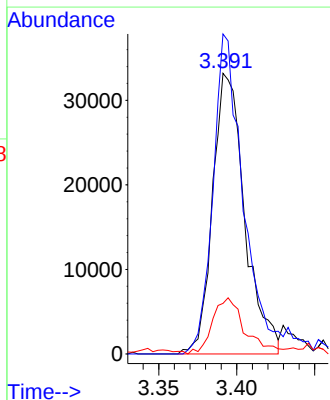
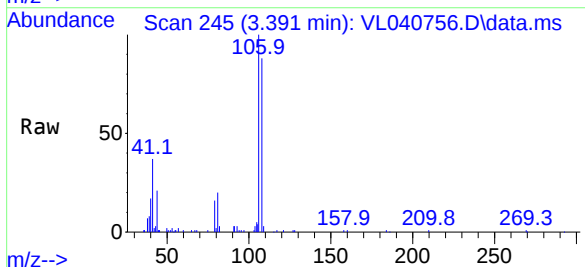
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

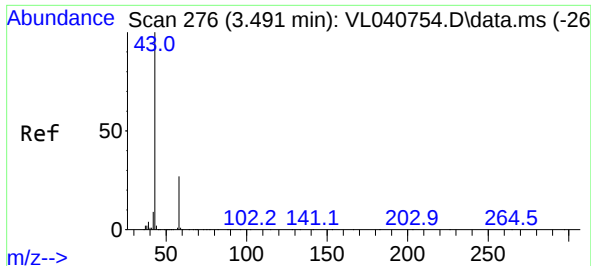
Tgt Ion: 45 Resp: 11348  
Ion Ratio Lower Upper  
45 100  
46 50.8 14.6 58.2



#14  
Bromoethene  
Concen: 1.002 ppbv  
RT: 3.391 min Scan# 245  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:108 Resp: 47569  
Ion Ratio Lower Upper  
108 100  
106 113.3 85.2 127.8  
79 22.7 15.7 23.5

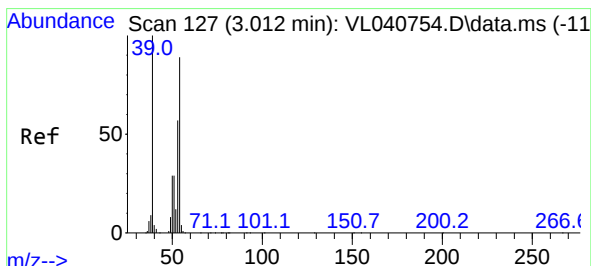
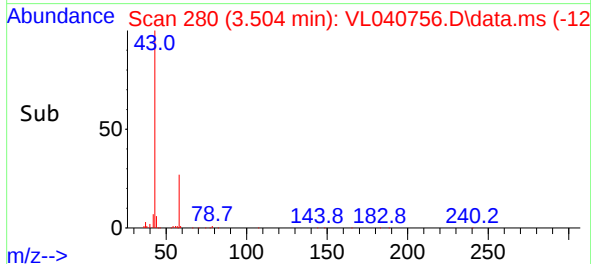
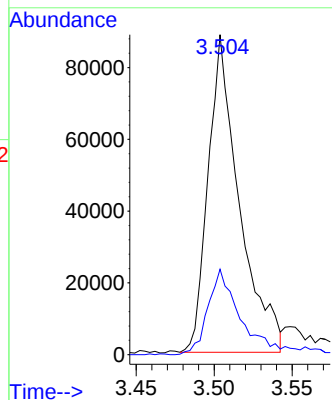
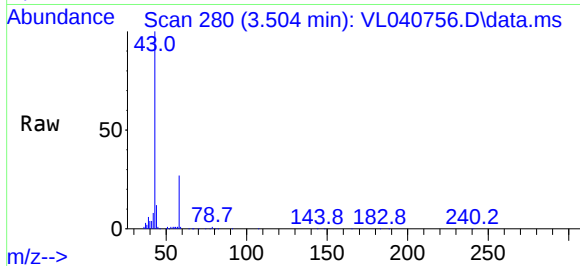




#15  
Acetone  
Concen: 1.039 ppbv  
RT: 3.504 min Scan# 21  
Delta R.T. 0.013 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

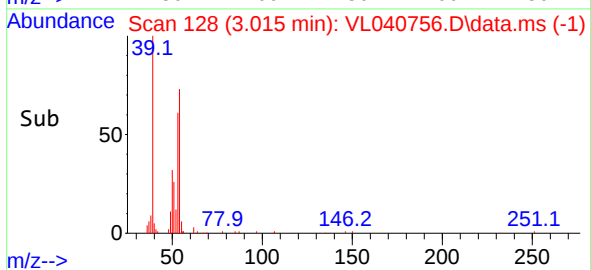
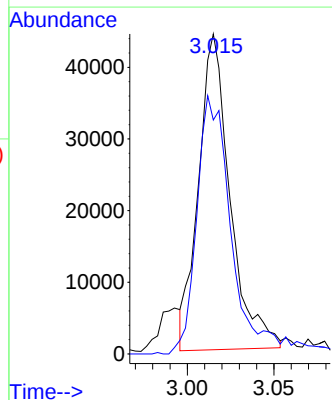
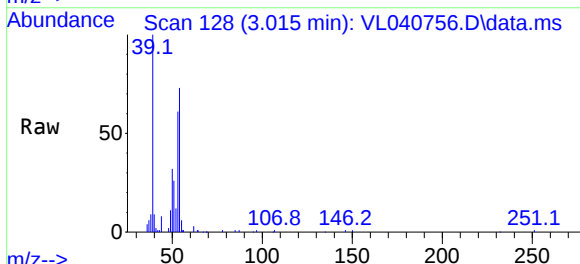
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

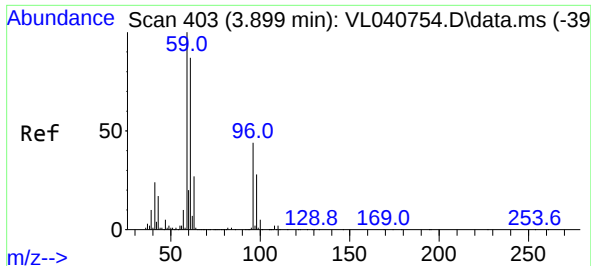
Tgt Ion: 43 Resp: 122876  
Ion Ratio Lower Upper  
43 100  
58 30.6 21.6 32.4



#16  
1,3-Butadiene  
Concen: 0.900 ppbv  
RT: 3.015 min Scan# 128  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 39 Resp: 55798  
Ion Ratio Lower Upper  
39 100  
54 92.8 63.0 94.6

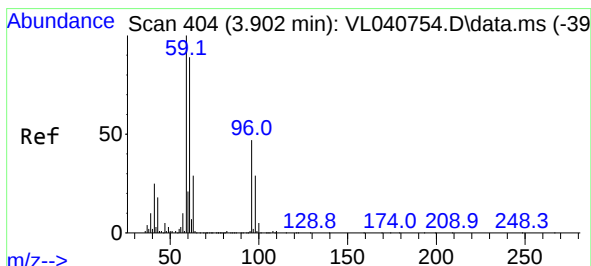
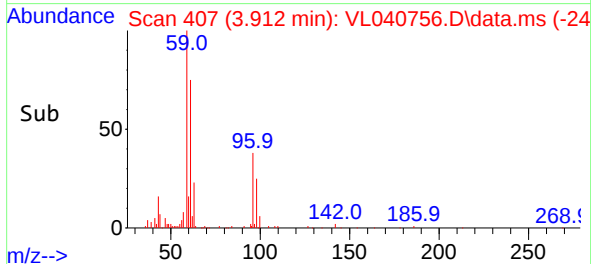
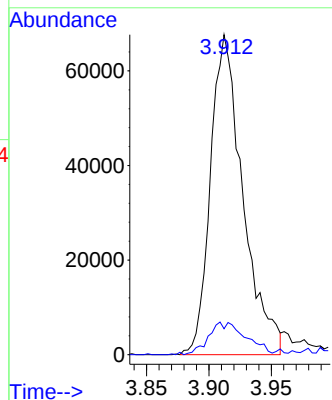
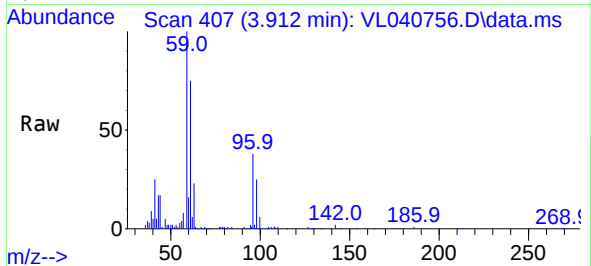




#17  
tert-Butyl alcohol  
Concen: 1.012 ppbv  
RT: 3.912 min Scan# 407  
Delta R.T. 0.013 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

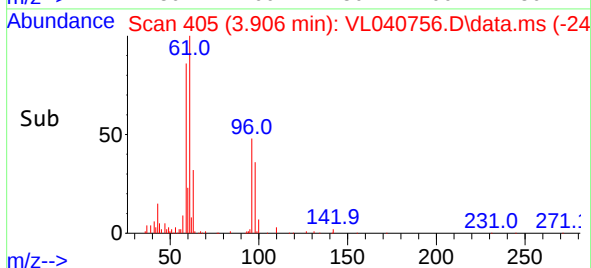
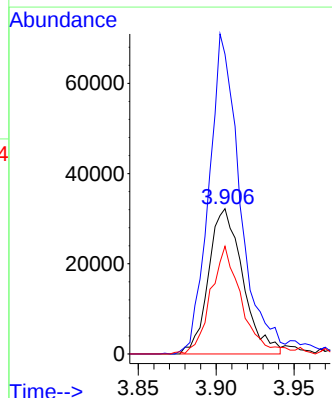
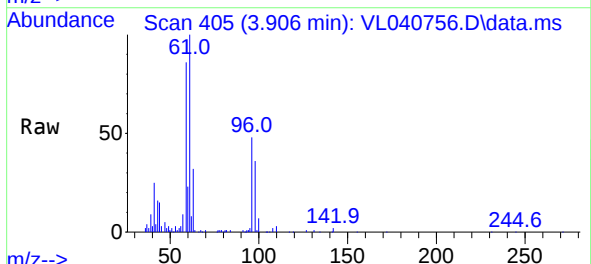
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

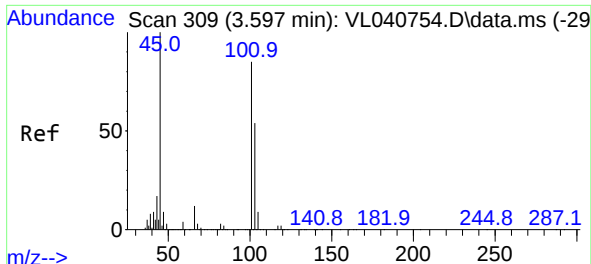
Tgt Ion: 59 Resp: 122669  
Ion Ratio Lower Upper  
59 100  
57 12.1 8.6 13.0



#18  
1,1-Dichloroethene  
Concen: 0.987 ppbv  
RT: 3.906 min Scan# 405  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 96 Resp: 49030  
Ion Ratio Lower Upper  
96 100  
61 204.4 152.5 228.7  
98 72.7 49.6 74.4





#19

Isopropyl Alcohol

Concen: 0.951 ppbv

RT: 3.616 min Scan# 315

Delta R.T. 0.019 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_L

ClientSampleId :

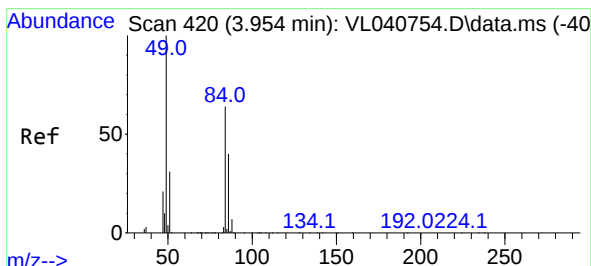
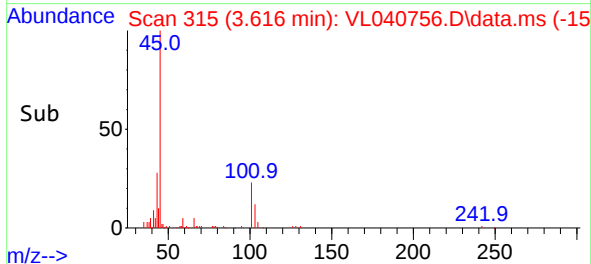
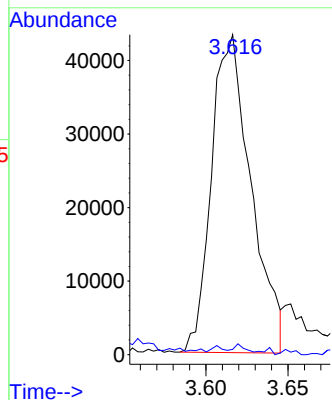
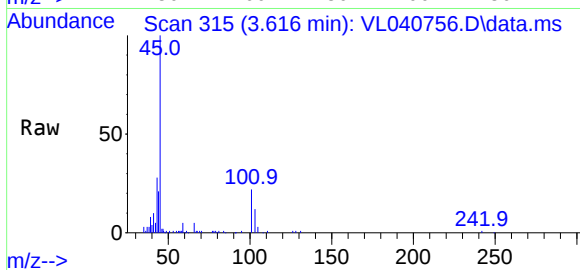
VSTDIC001

Tgt Ion: 45 Resp: 72373

Ion Ratio Lower Upper

45 100

58 2.9 30.3 45.5#



#20

Methylene Chloride

Concen: 0.479 ppbv

RT: 3.954 min Scan# 420

Delta R.T. 0.000 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Tgt Ion: 84 Resp: 23589

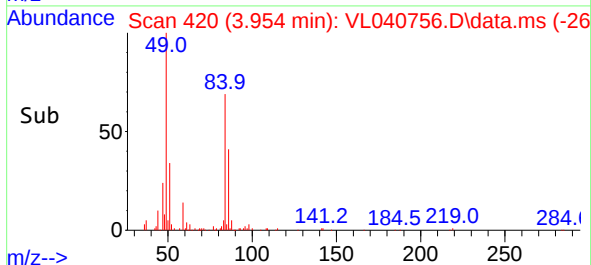
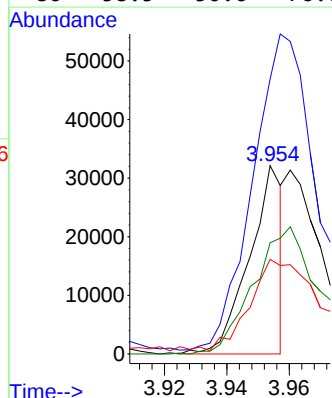
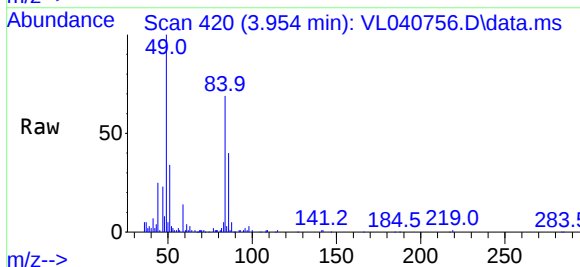
Ion Ratio Lower Upper

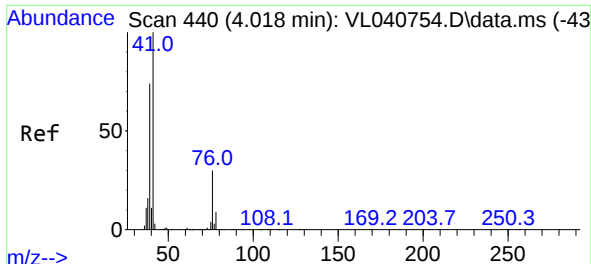
84 100

49 143.8 125.6 188.4

51 46.4 38.9 58.3

86 58.5 50.6 76.0

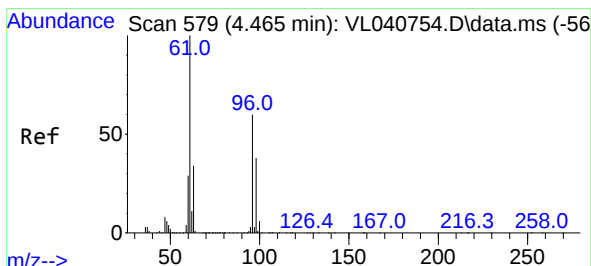
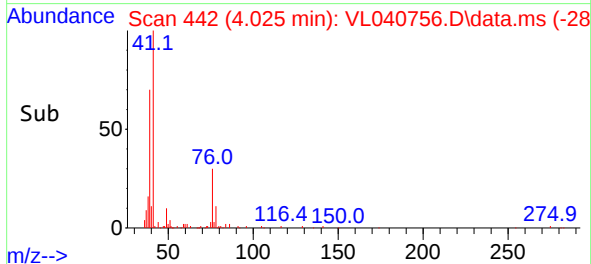
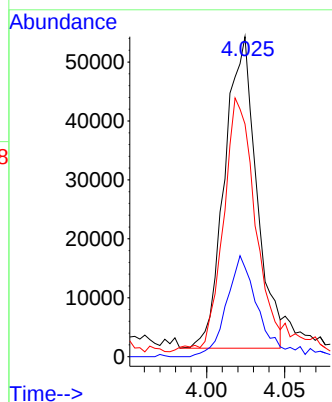
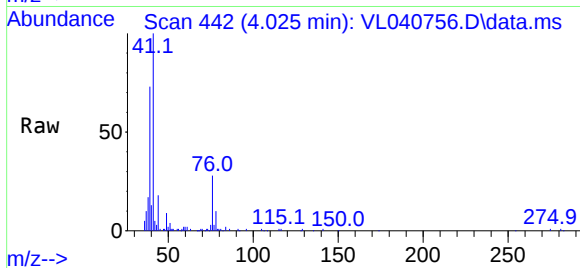




#21  
 Allyl Chloride  
 Concen: 0.965 ppbv  
 RT: 4.025 min Scan# 44  
 Delta R.T. 0.006 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

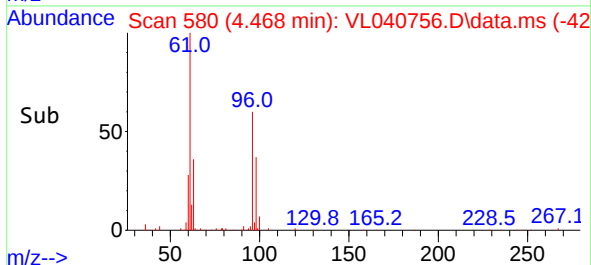
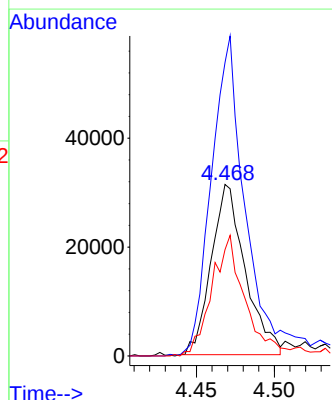
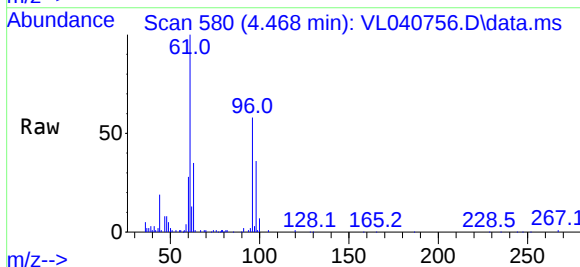
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

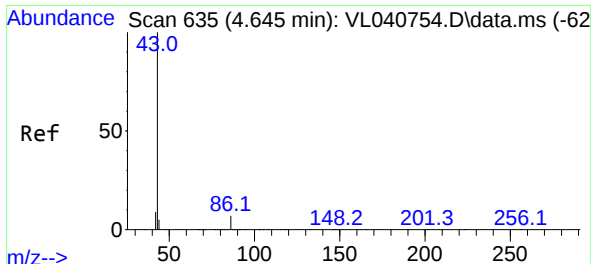
Tgt Ion: 41 Resp: 75270  
 Ion Ratio Lower Upper  
 41 100  
 76 33.6 24.1 36.1  
 39 88.6 63.8 95.6



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.895 ppbv  
 RT: 4.468 min Scan# 580  
 Delta R.T. 0.003 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

Tgt Ion: 96 Resp: 47329  
 Ion Ratio Lower Upper  
 96 100  
 61 171.8 134.0 201.0  
 98 62.4 51.0 76.4



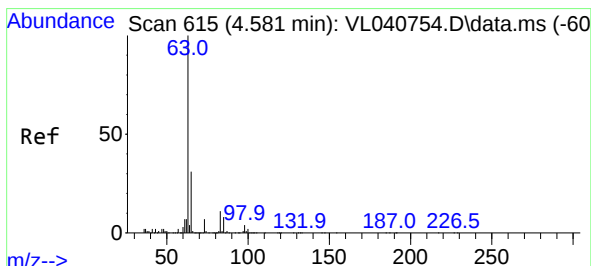
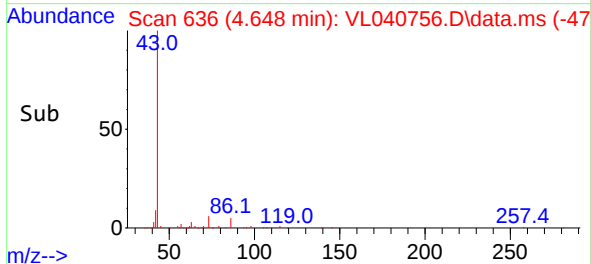
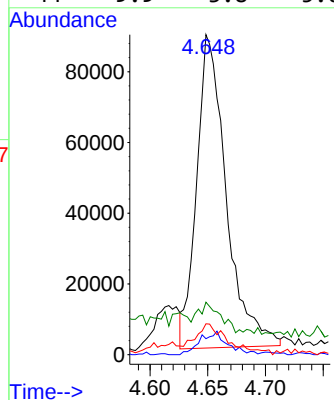
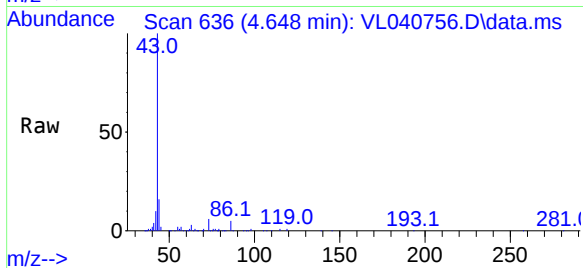


#23  
 Vinyl Acetate  
 Concen: 1.046 ppbv  
 RT: 4.648 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC001

Tgt Ion: 43 Resp: 157556

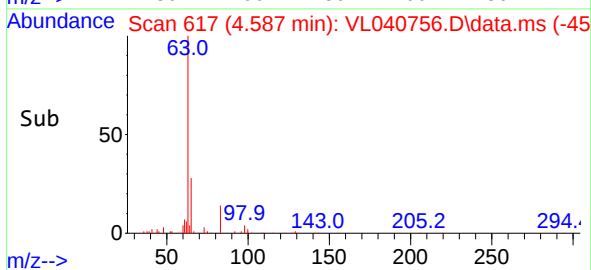
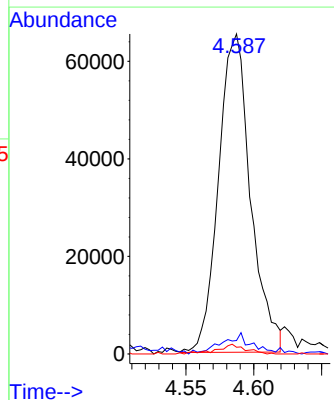
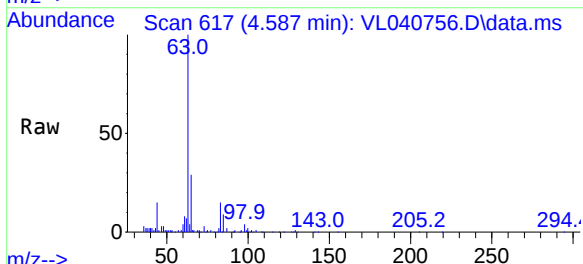
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 5.2   | 4.9   | 7.3   |
| 42  | 9.5   | 7.8   | 11.6  |
| 44  | 9.9   | 3.8   | 5.6   |

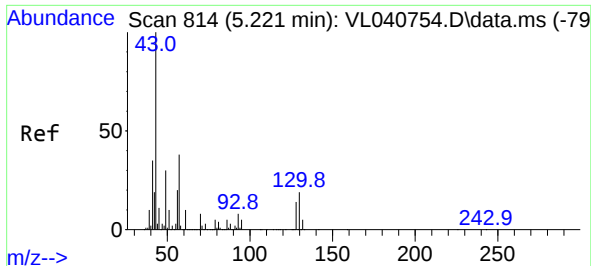


#24  
 1,1-Dichloroethane  
 Concen: 0.944 ppbv  
 RT: 4.587 min Scan# 617  
 Delta R.T. 0.006 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

Tgt Ion: 63 Resp: 107260

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.6   | 2.0   | 5.8   |
| 100 | 2.1   | 1.3   | 3.8   |



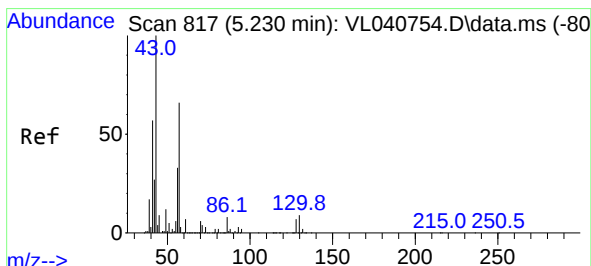
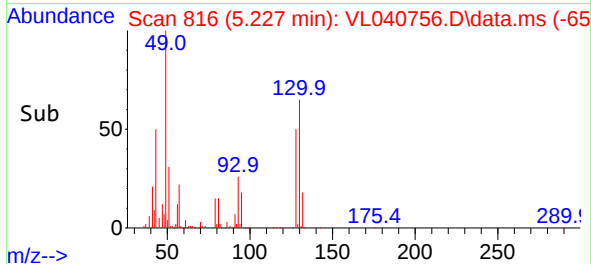
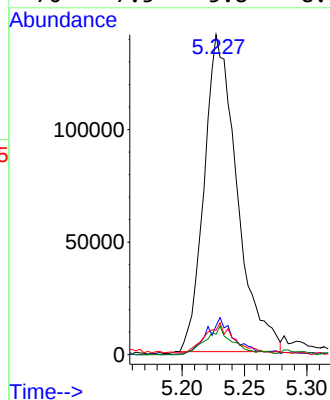
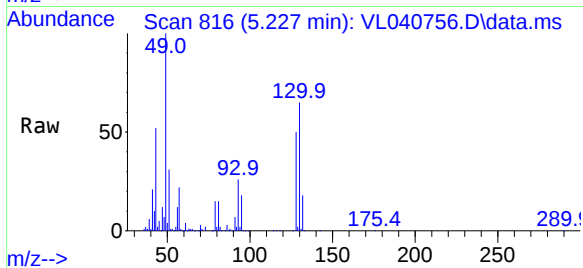


#25  
Ethyl Acetate  
Concen: 0.996 ppbv  
RT: 5.227 min Scan# 815  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC001

Tgt Ion: 43 Resp: 257952

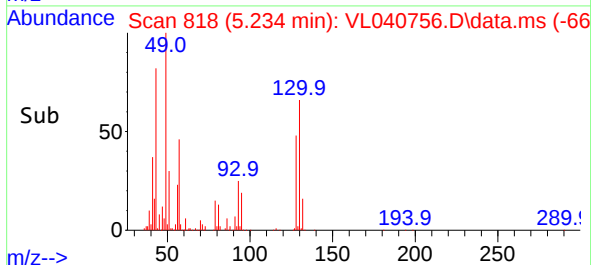
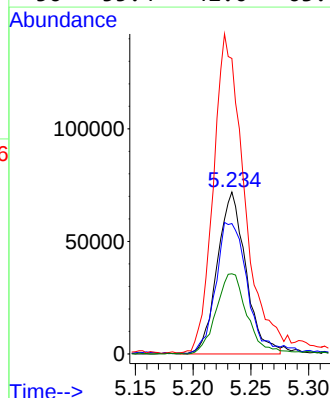
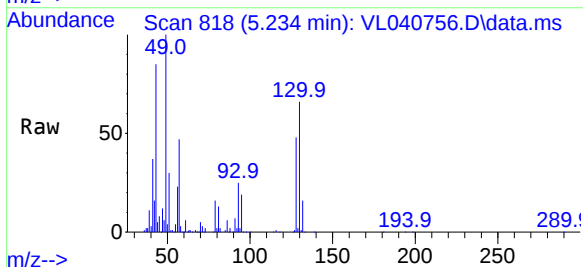
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 11.0  | 8.2   | 12.4  |
| 61  | 10.7  | 8.2   | 12.2  |
| 70  | 7.5   | 5.8   | 8.6   |

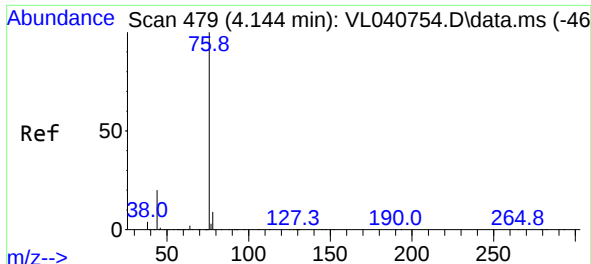


#26  
Hexane  
Concen: 1.042 ppbv  
RT: 5.234 min Scan# 818  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 57 Resp: 123343

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 93.3  | 71.4  | 107.2 |
| 43  | 224.2 | 182.3 | 273.5 |
| 56  | 55.4  | 42.0  | 63.0  |

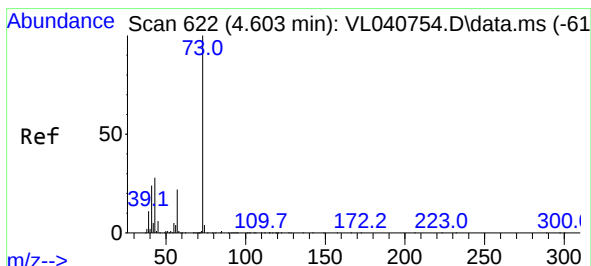
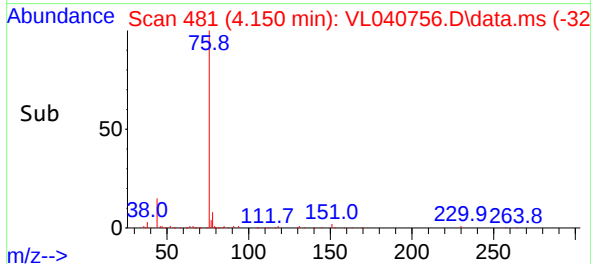
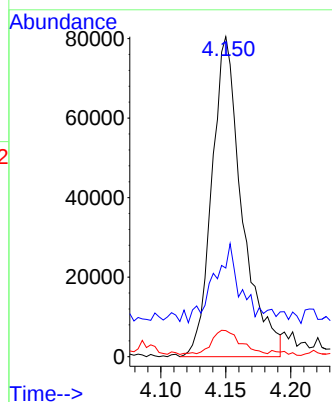
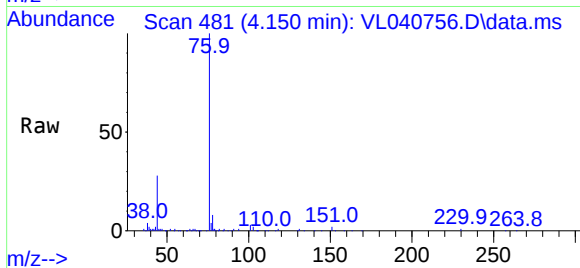




#27  
Carbon Disulfide  
Concen: 0.992 ppbv  
RT: 4.150 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

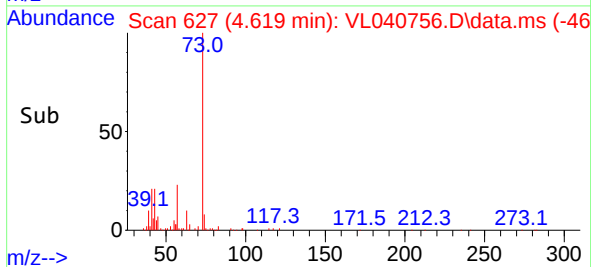
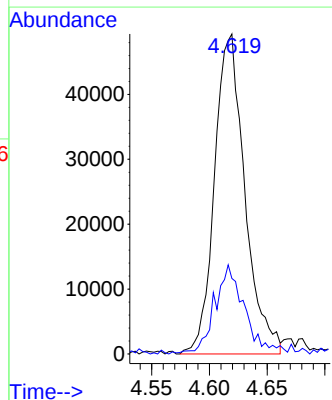
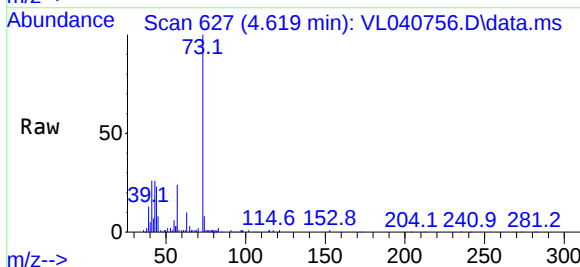
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDICC001

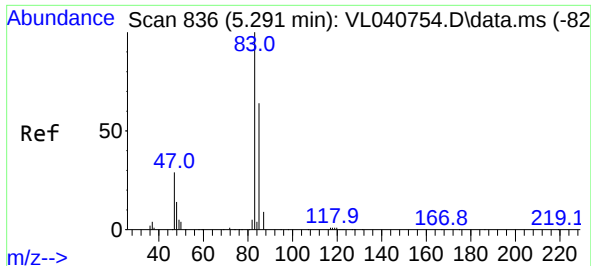
Tgt Ion: 76 Resp: 129582  
Ion Ratio Lower Upper  
76 100  
44 27.7 16.6 25.0#  
78 12.3 7.8 11.6#



#28  
Methyl tert-Butyl Ether  
Concen: 0.979 ppbv  
RT: 4.619 min Scan# 627  
Delta R.T. 0.016 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 73 Resp: 90167  
Ion Ratio Lower Upper  
73 100  
57 28.6 18.9 28.3#

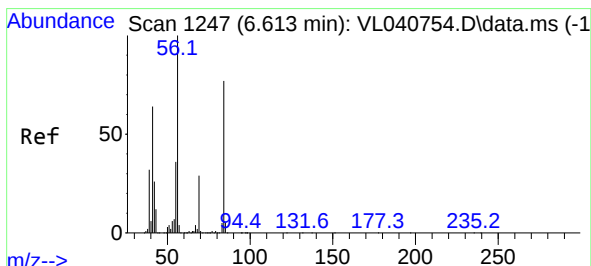
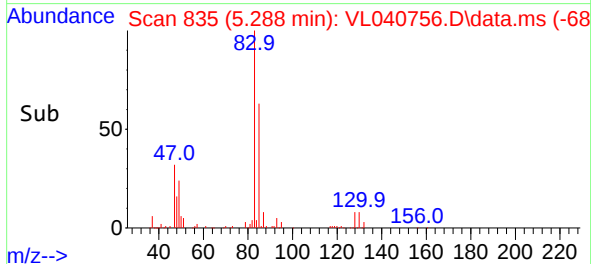
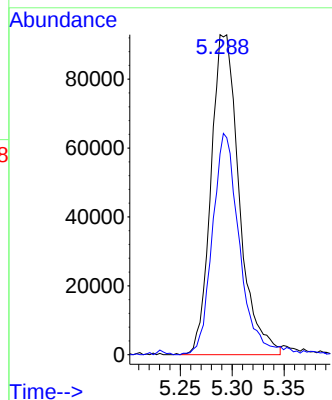
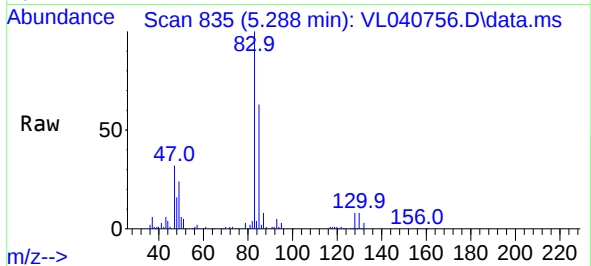




#29  
Chloroform  
Concen: 1.025 ppbv  
RT: 5.288 min Scan# 81  
Delta R.T. -0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

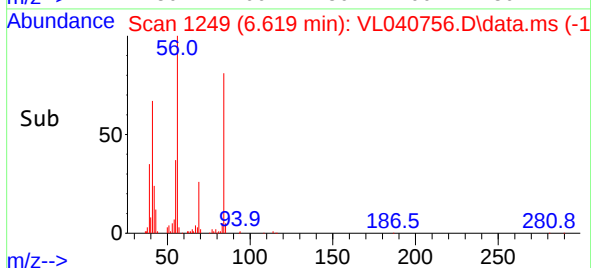
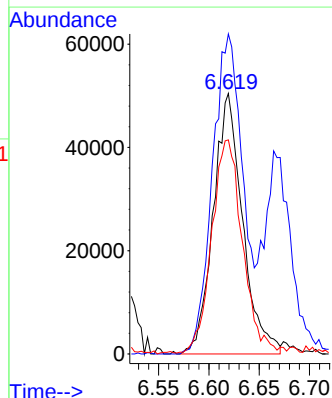
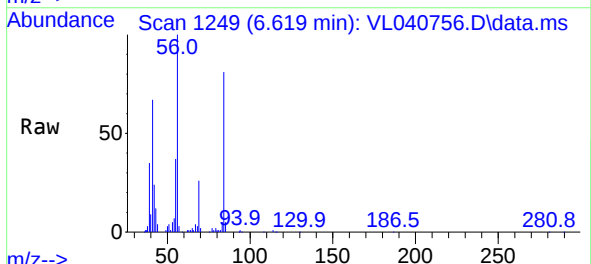
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

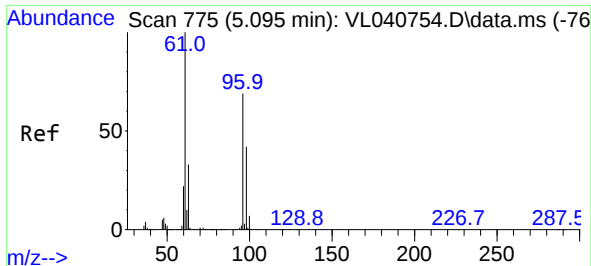
Tgt Ion: 83 Resp: 175659  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.3 76.9



#30  
Cyclohexane  
Concen: 1.014 ppbv  
RT: 6.619 min Scan# 1249  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 84 Resp: 102146  
Ion Ratio Lower Upper  
84 100  
56 129.7 110.3 165.5  
41 85.6 67.4 101.2

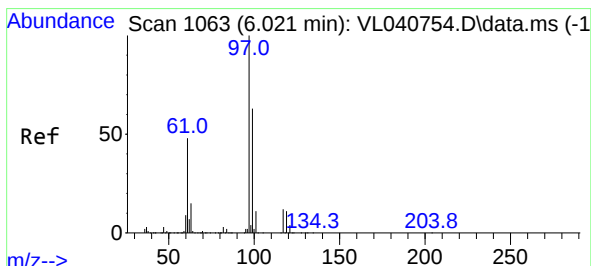
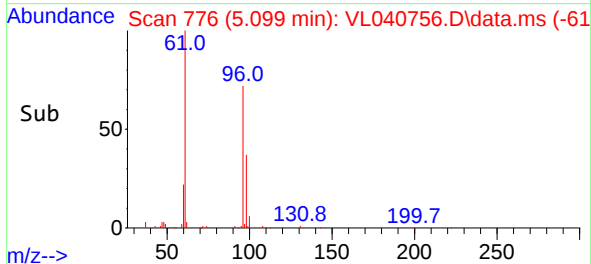
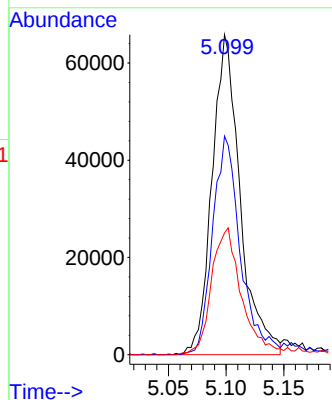
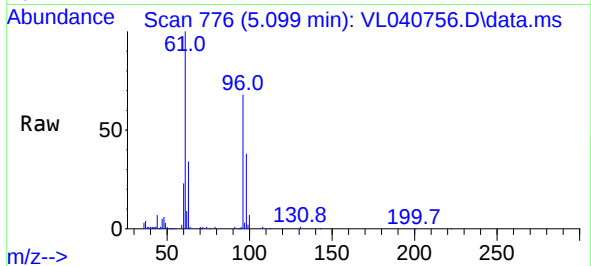




#31  
cis-1,2-Dichloroethene  
Concen: 1.021 ppbv  
RT: 5.099 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

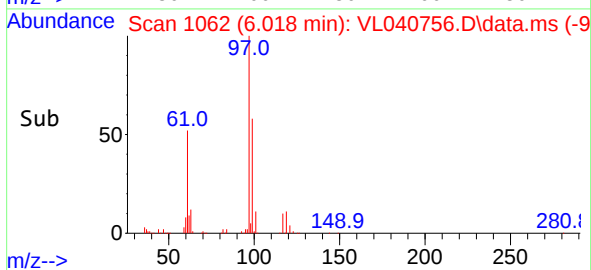
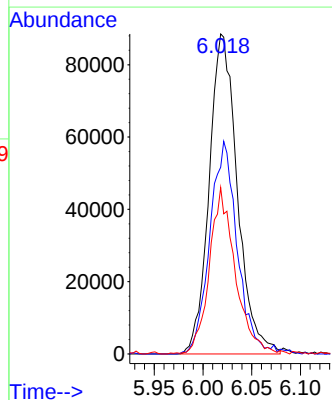
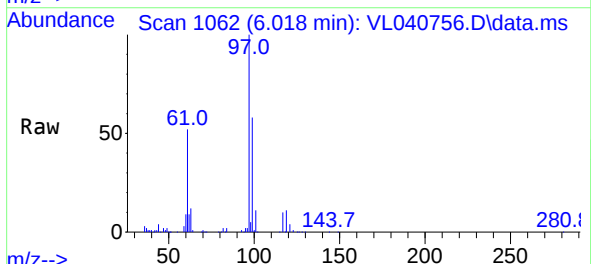
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

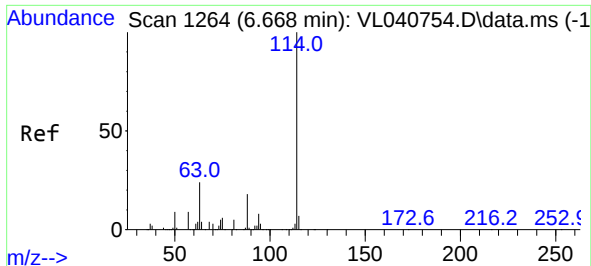
Tgt Ion: 61 Resp: 111380  
Ion Ratio Lower Upper  
61 100  
96 68.3 55.1 82.7  
98 37.8 33.5 50.3



#32  
1,1,1-Trichloroethane  
Concen: 0.977 ppbv  
RT: 6.018 min Scan# 1062  
Delta R.T. -0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 97 Resp: 178059  
Ion Ratio Lower Upper  
97 100  
99 65.3 51.8 77.6  
61 48.2 38.6 58.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 114

Delta R.T. 0.000 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001

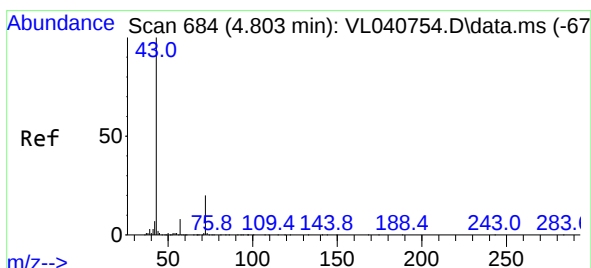
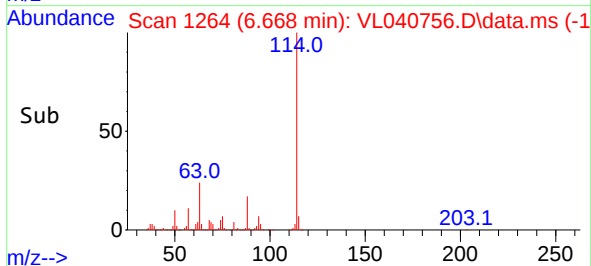
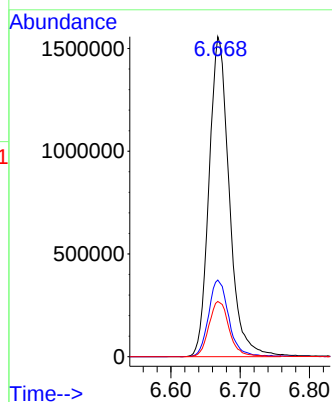
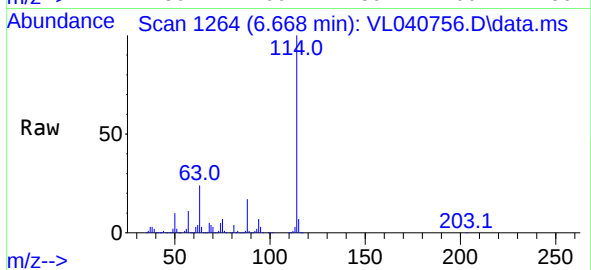
Tgt Ion:114 Resp: 3150375

Ion Ratio Lower Upper

114 100

63 24.2 19.8 29.6

88 17.5 14.2 21.2



#34

2-Butanone

Concen: 1.046 ppbv

RT: 4.816 min Scan# 688

Delta R.T. 0.013 min

Lab File: VL040756.D

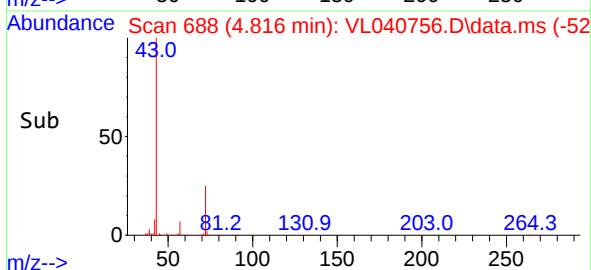
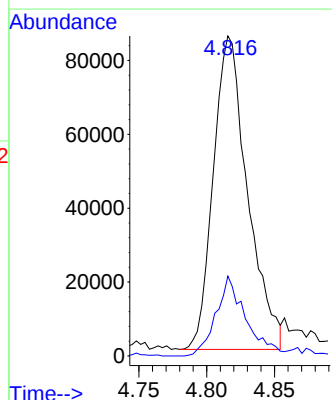
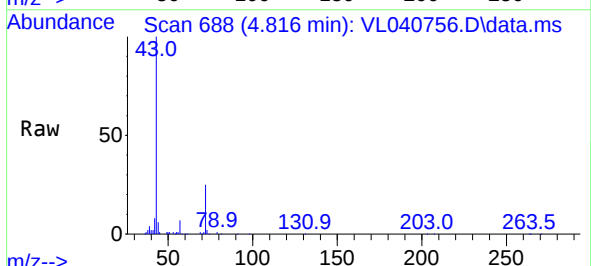
Acq: 11 Oct 2023 13:18

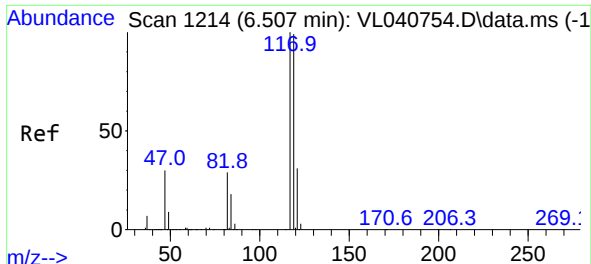
Tgt Ion: 43 Resp: 149172

Ion Ratio Lower Upper

43 100

72 23.8 16.8 25.2

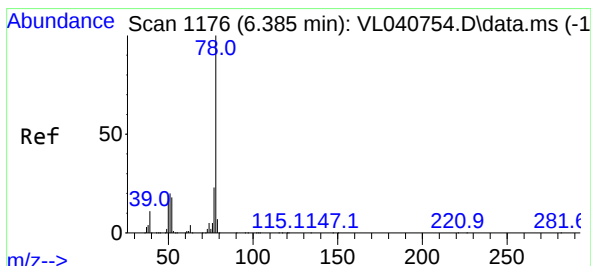
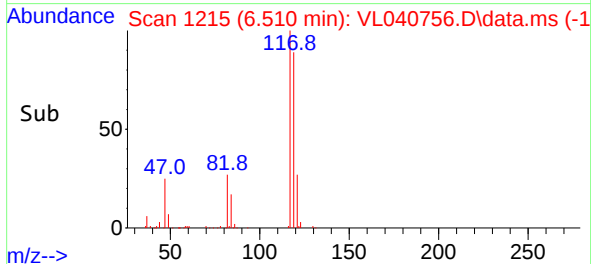
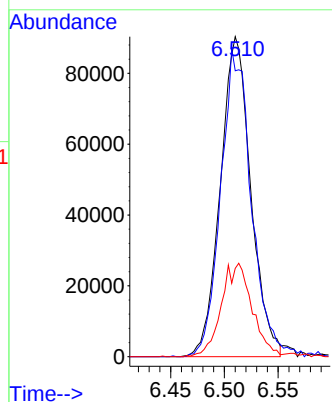
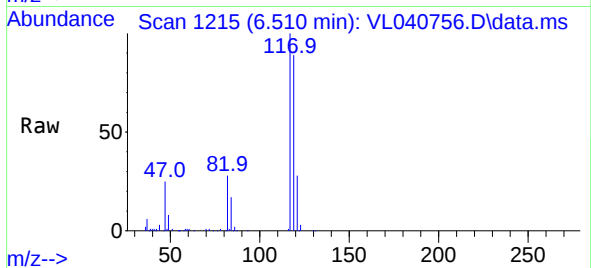




#35  
Carbon Tetrachloride  
Concen: 1.006 ppbv  
RT: 6.510 min Scan# 1177  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

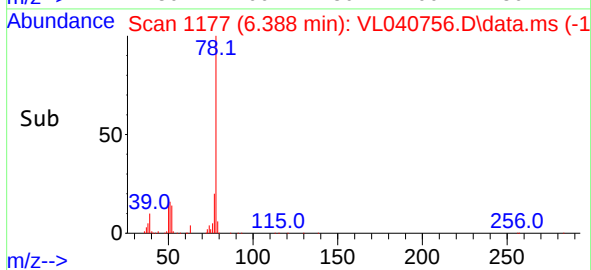
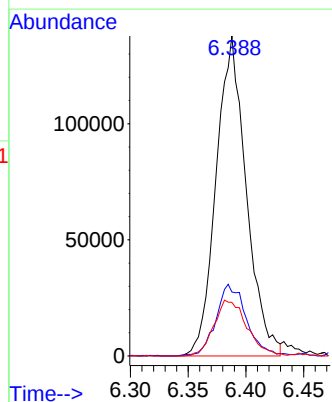
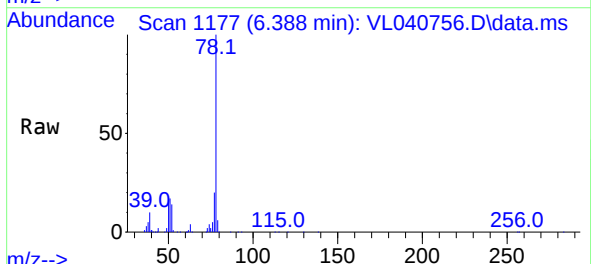
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

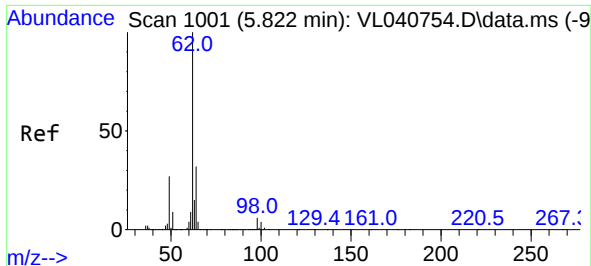
Tgt Ion:117 Resp: 177808  
Ion Ratio Lower Upper  
117 100  
119 89.4 79.4 119.0  
121 27.6 25.0 37.4



#36  
Benzene  
Concen: 1.031 ppbv  
RT: 6.388 min Scan# 1177  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 78 Resp: 249931  
Ion Ratio Lower Upper  
78 100  
77 19.8 18.4 27.6  
50 16.8 15.0 22.4

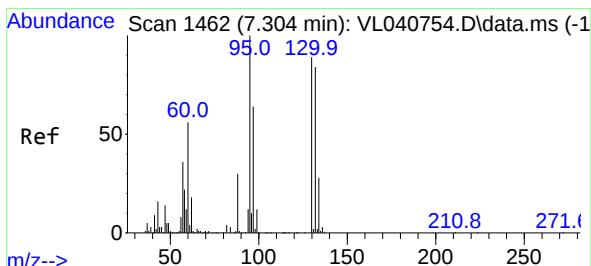
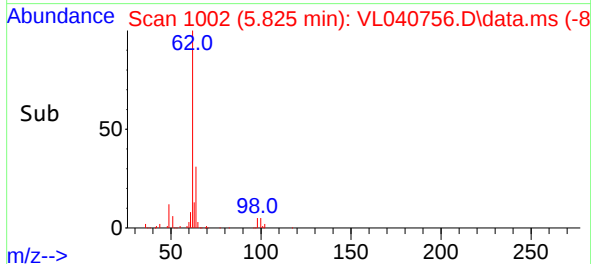
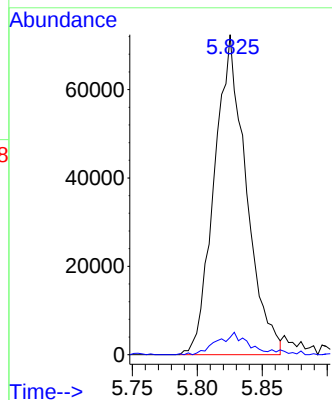
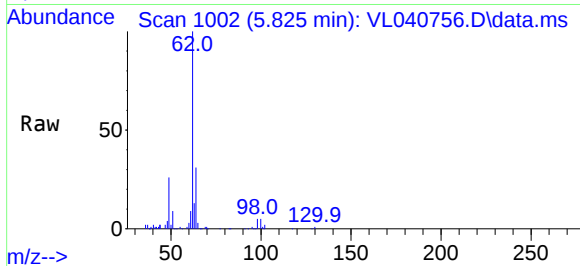




#37  
1,2-Dichloroethane  
Concen: 0.994 ppbv  
RT: 5.825 min Scan# 1001  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

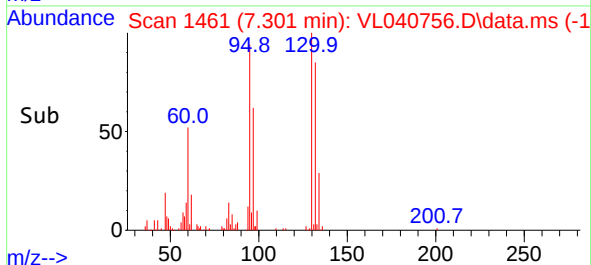
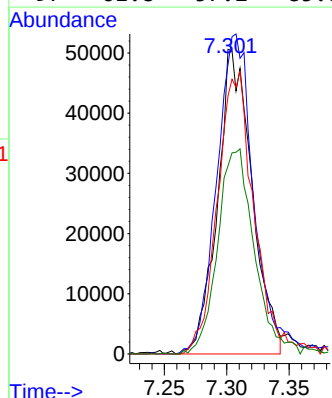
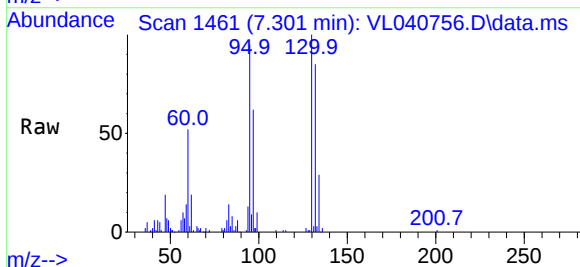
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

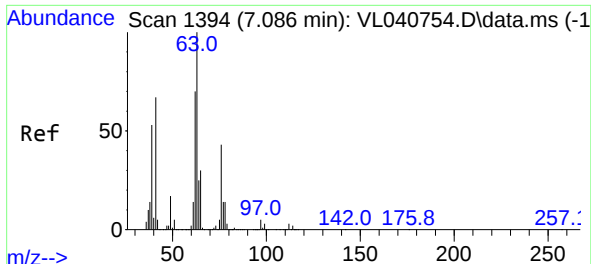
Tgt Ion: 62 Resp: 123400  
Ion Ratio Lower Upper  
62 100  
98 7.2 5.4 8.0



#38  
Trichloroethene  
Concen: 0.911 ppbv  
RT: 7.301 min Scan# 1461  
Delta R.T. -0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 130 Resp: 97693  
Ion Ratio Lower Upper  
130 100  
95 94.6 89.4 134.2  
132 84.8 74.8 112.2  
97 61.8 57.2 85.8

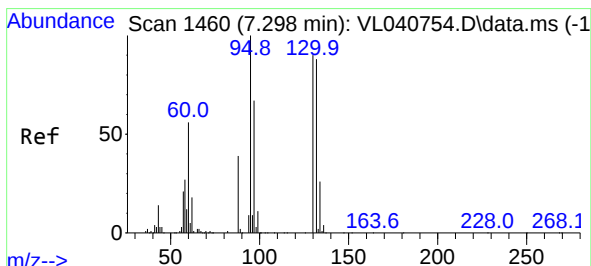
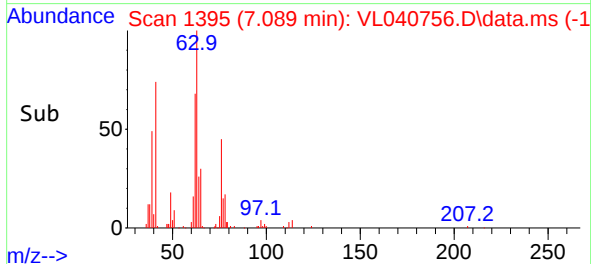
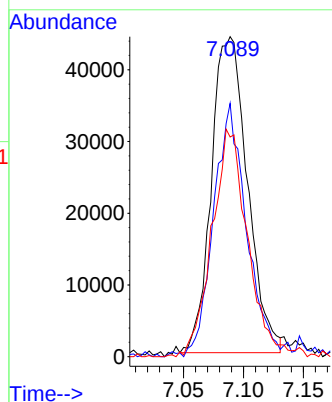
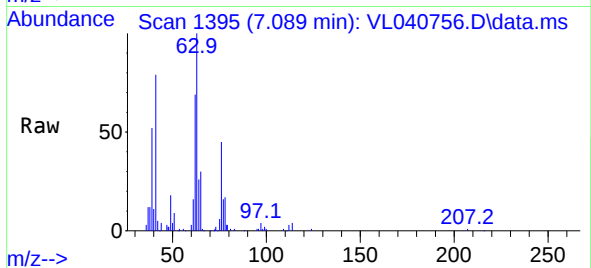




#39  
1,2-Dichloropropane  
Concen: 0.974 ppbv  
RT: 7.089 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

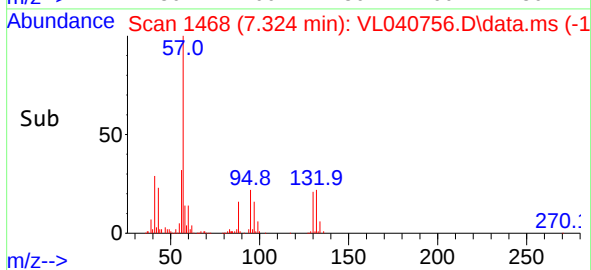
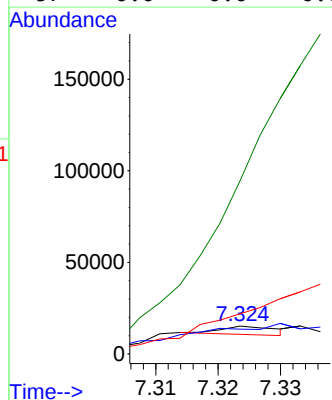
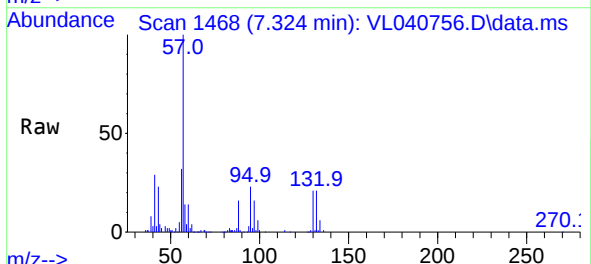
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

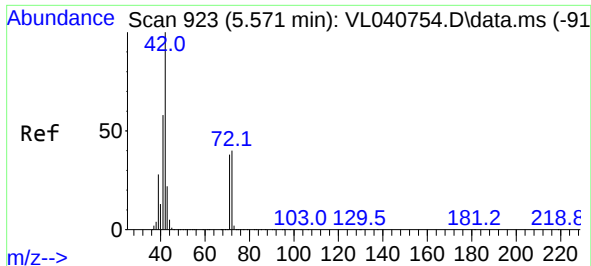
Tgt Ion: 63 Resp: 92187  
Ion Ratio Lower Upper  
63 100  
41 78.9 53.7 80.5  
62 68.1 55.7 83.5



#40  
1,4-Dioxane  
Concen: 0.075 ppbv  
RT: 7.324 min Scan# 1468  
Delta R.T. 0.026 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 88 Resp: 2704  
Ion Ratio Lower Upper  
88 100  
58 0.0 100.0 150.0#  
43 0.0 0.0 0.0  
57 0.0 0.0 0.0

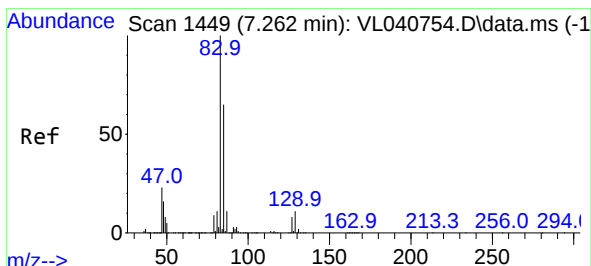
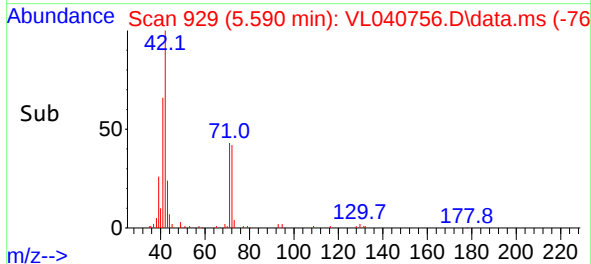
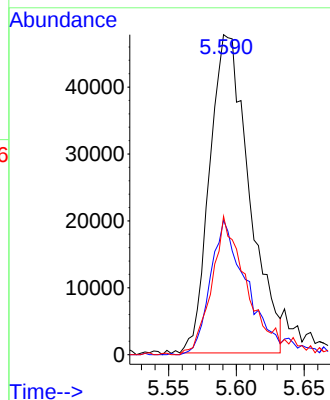
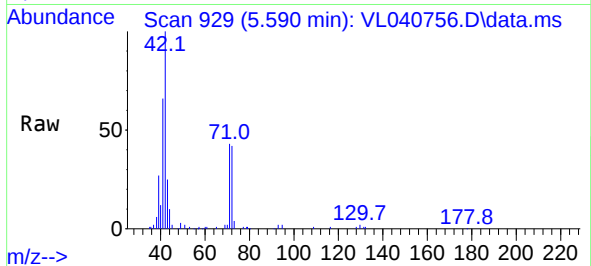




#41  
Tetrahydrofuran  
Concen: 0.977 ppbv  
RT: 5.590 min Scan# 91  
Delta R.T. 0.019 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

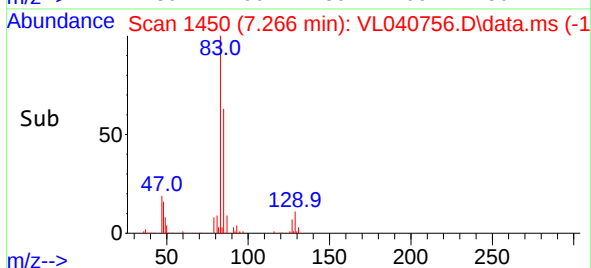
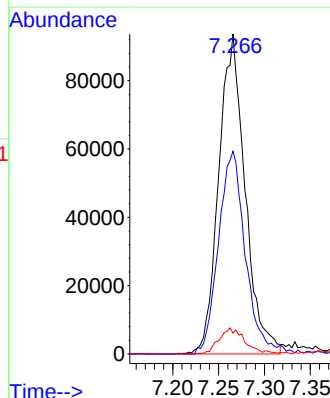
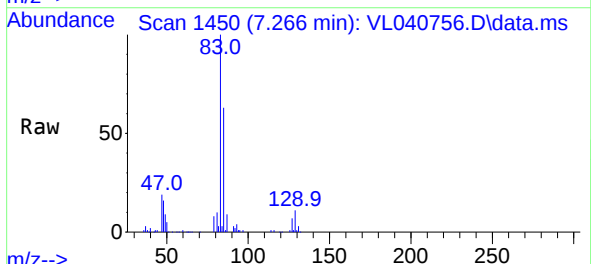
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

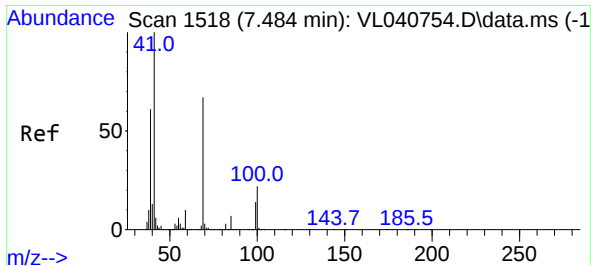
Tgt Ion: 42 Resp: 96485  
Ion Ratio Lower Upper  
42 100  
72 42.6 31.1 46.7  
71 41.9 29.7 44.5



#42  
Bromodichloromethane  
Concen: 1.005 ppbv  
RT: 7.266 min Scan# 1450  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 83 Resp: 186904  
Ion Ratio Lower Upper  
83 100  
85 63.1 52.1 78.1  
127 6.5 6.7 10.1#

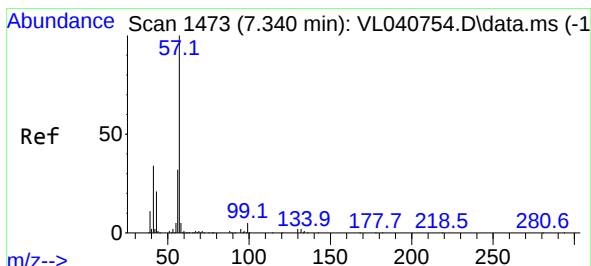
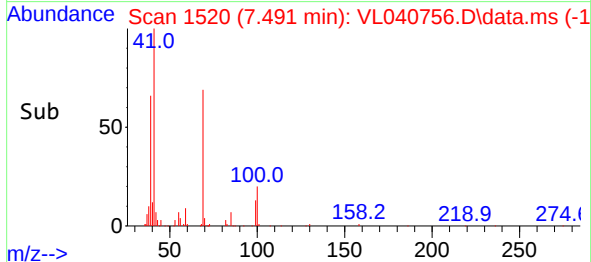
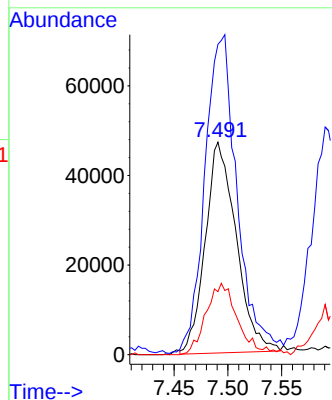
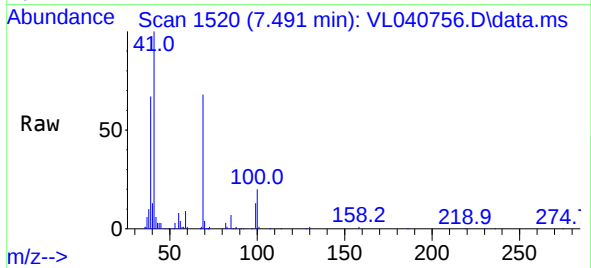




#43  
Methyl Methacrylate  
Concen: 0.971 ppbv  
RT: 7.491 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

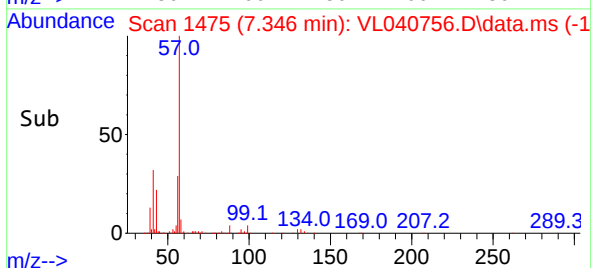
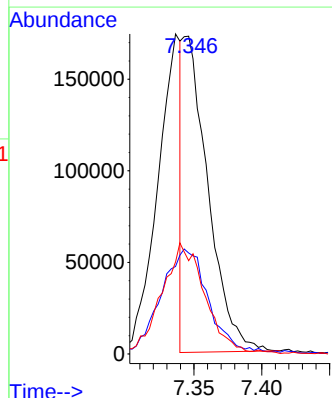
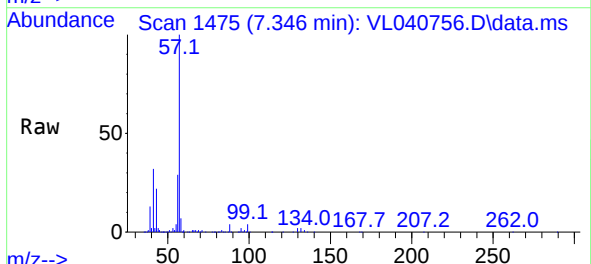
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

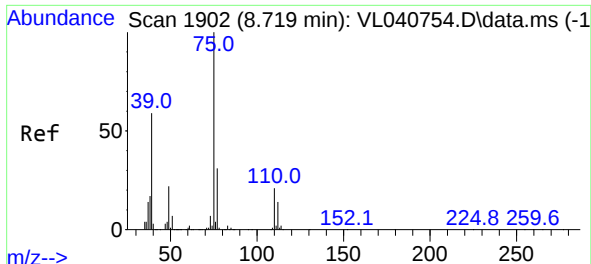
Tgt Ion: 69 Resp: 94226  
Ion Ratio Lower Upper  
69 100  
41 157.5 120.6 181.0  
100 34.9 27.1 40.7



#44  
2,2,4-Trimethylpentane  
Concen: 0.545 ppbv  
RT: 7.346 min Scan# 1475  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 57 Resp: 223363  
Ion Ratio Lower Upper  
57 100  
41 63.6 27.4 41.0#  
56 61.2 25.0 37.6#





#45

t-1,3-Dichloropropene

Concen: 0.898 ppbv

RT: 8.722 min Scan# 1902

Delta R.T. 0.003 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_1

ClientSampleId :

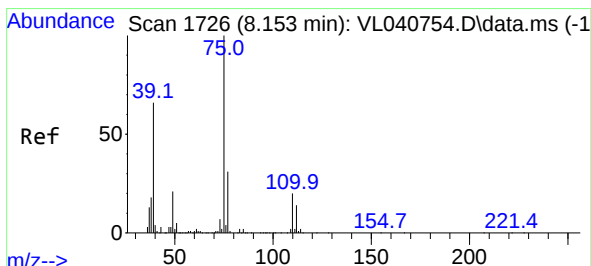
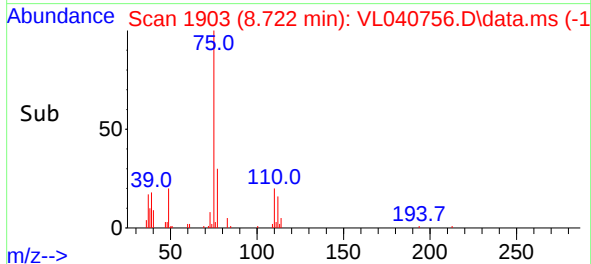
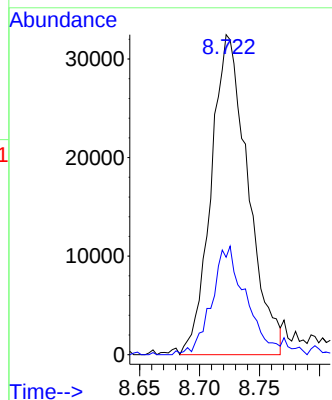
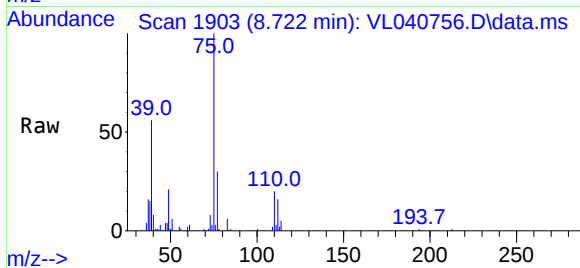
VSTDIC001

Tgt Ion: 75 Resp: 69471

Ion Ratio Lower Upper

75 100

77 30.5 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 0.463 ppbv

RT: 8.153 min Scan# 1726

Delta R.T. 0.000 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

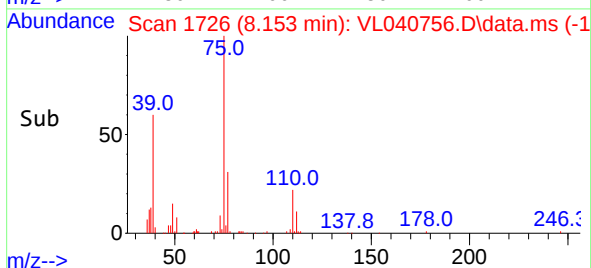
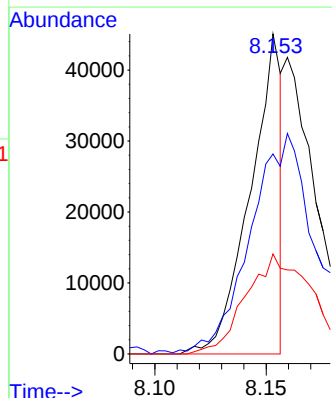
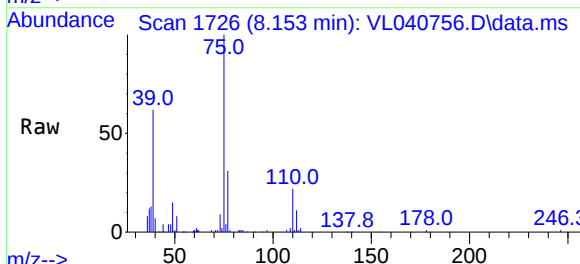
Tgt Ion: 75 Resp: 43758

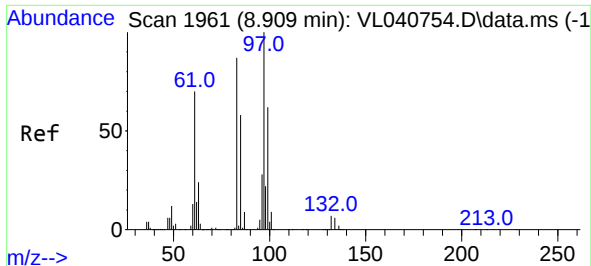
Ion Ratio Lower Upper

75 100

39 61.3 52.4 78.6

77 31.2 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 1.008 ppbv

RT: 8.912 min Scan# 1961

Delta R.T. 0.003 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 100228

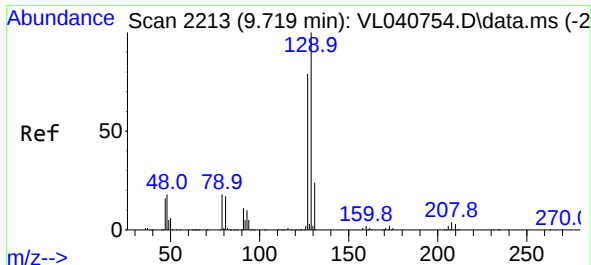
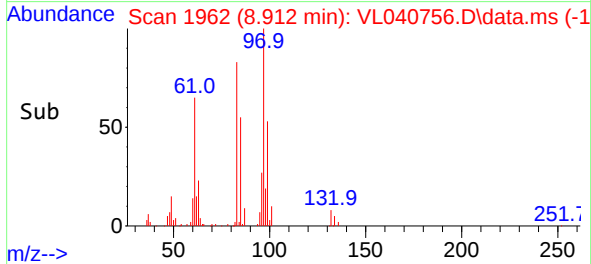
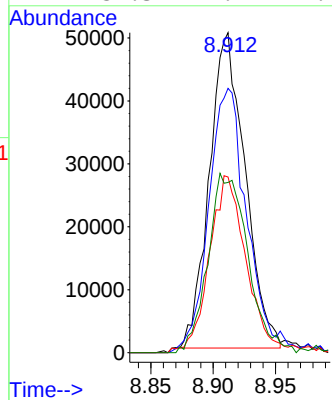
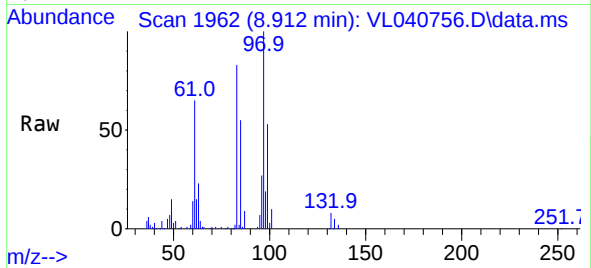
Ion Ratio Lower Upper

97 100

83 81.9 69.5 104.3

85 54.4 46.6 69.8

99 52.3 49.4 74.0



#48

Dibromochloromethane

Concen: 0.527 ppbv

RT: 9.719 min Scan# 2213

Delta R.T. 0.000 min

Lab File: VL040756.D

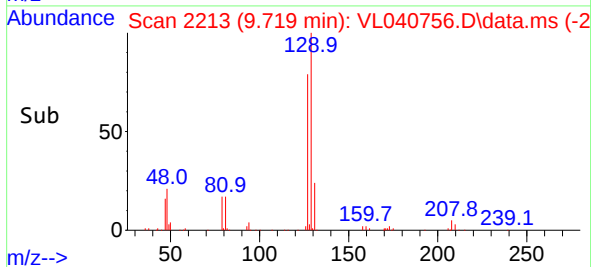
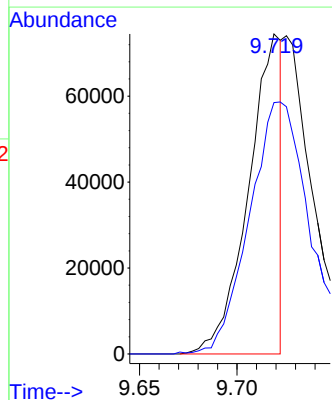
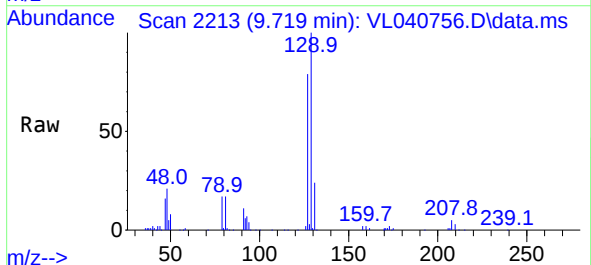
Acq: 11 Oct 2023 13:18

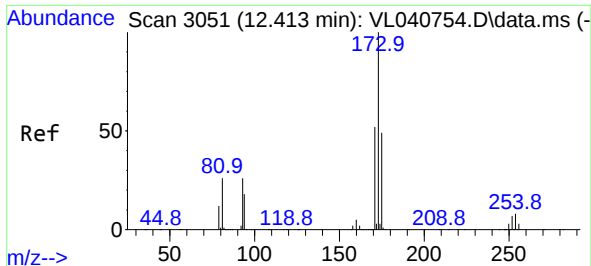
Tgt Ion: 129 Resp: 87864

Ion Ratio Lower Upper

129 100

127 147.8 39.1 117.3#

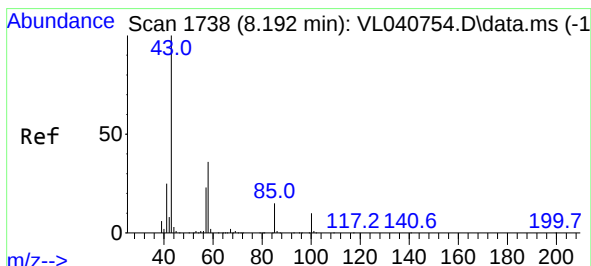
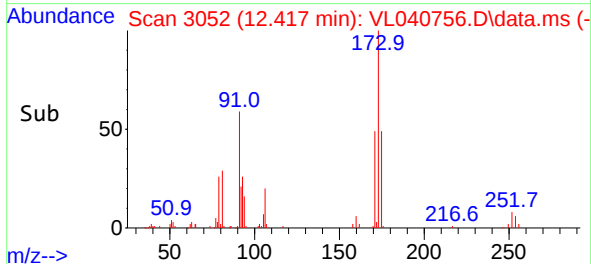
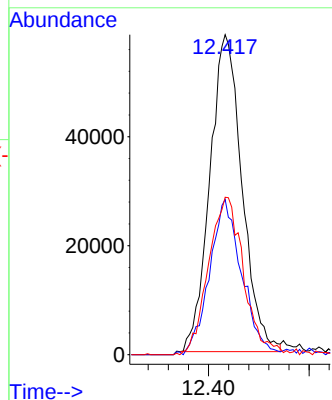
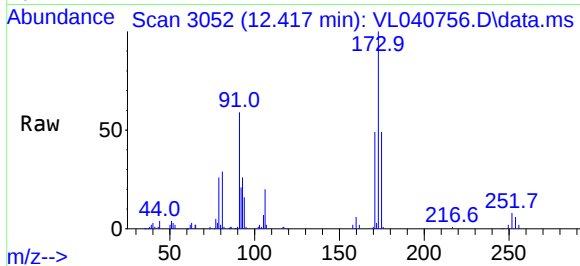




#49  
Bromoform  
Concen: 0.956 ppbv  
RT: 12.417 min Scan# 3051  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

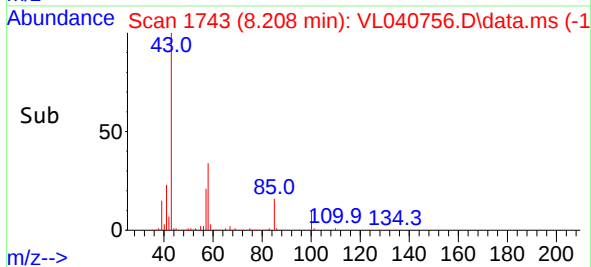
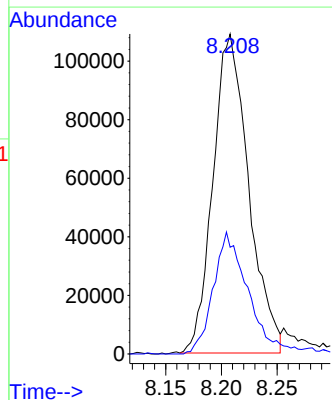
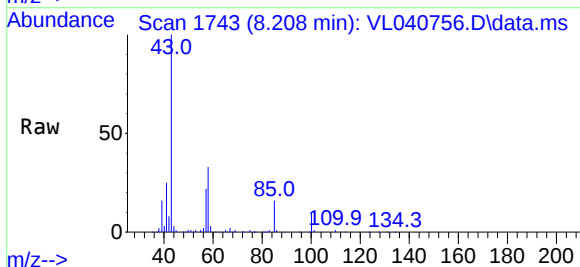
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

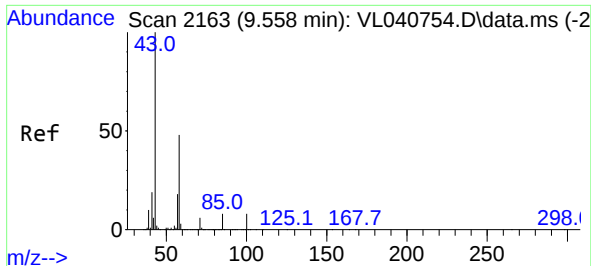
Tgt Ion:173 Resp: 129491  
Ion Ratio Lower Upper  
173 100  
175 49.6 39.2 58.8  
171 54.4 42.0 63.0



#50  
4-Methyl-2-Pentanone  
Concen: 0.996 ppbv  
RT: 8.208 min Scan# 1743  
Delta R.T. 0.016 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 43 Resp: 242955  
Ion Ratio Lower Upper  
43 100  
58 38.4 28.8 43.2

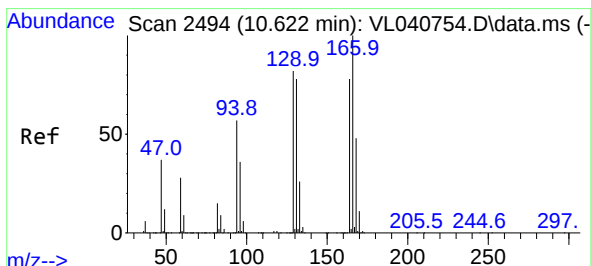
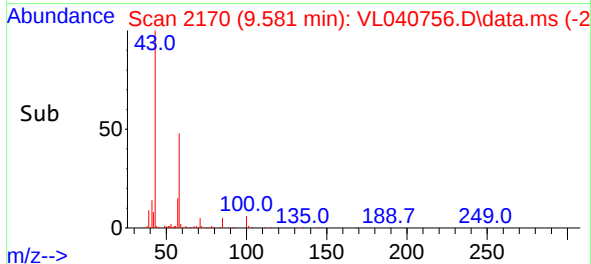
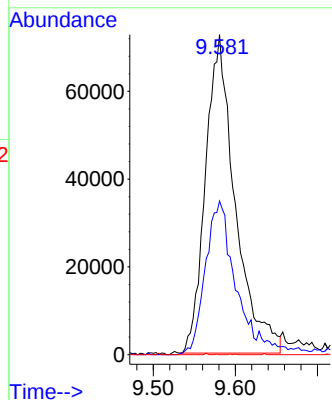
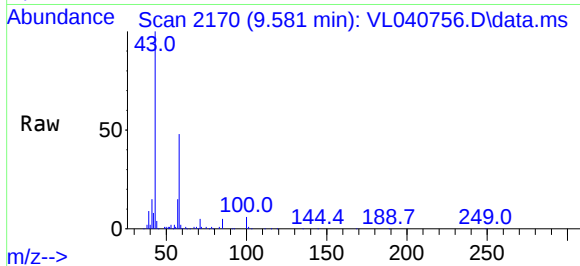




#51  
2-Hexanone  
Concen: 0.983 ppbv  
RT: 9.581 min Scan# 2163  
Delta R.T. 0.023 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

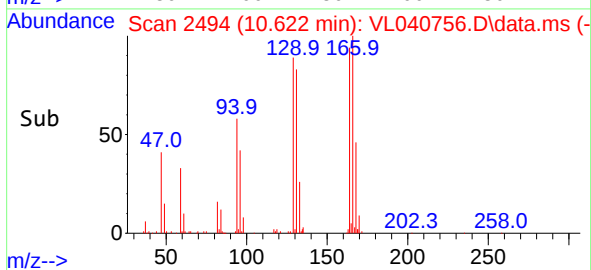
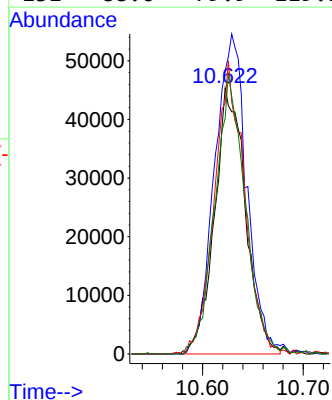
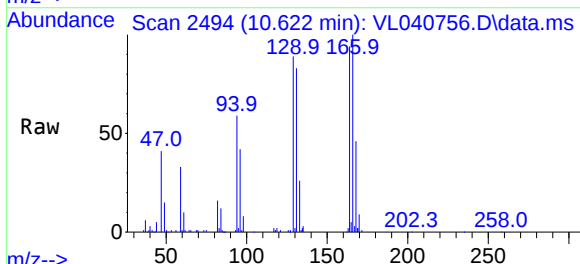
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

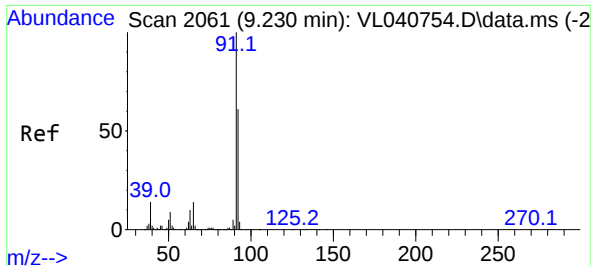
Tgt Ion: 43 Resp: 182540  
Ion Ratio Lower Upper  
43 100  
58 50.8 38.6 58.0  
98 0.1 0.0 0.0#



#52  
Tetrachloroethene  
Concen: 0.990 ppbv  
RT: 10.622 min Scan# 2494  
Delta R.T. 0.000 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 164 Resp: 97483  
Ion Ratio Lower Upper  
164 100  
166 106.5 102.4 153.6  
129 93.9 84.2 126.4  
131 88.6 79.9 119.9

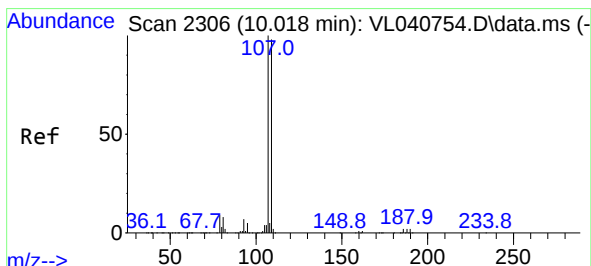
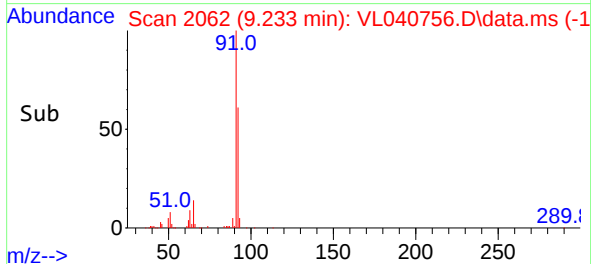
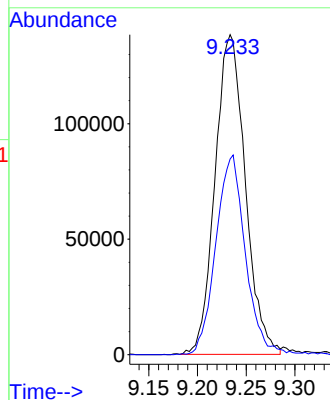
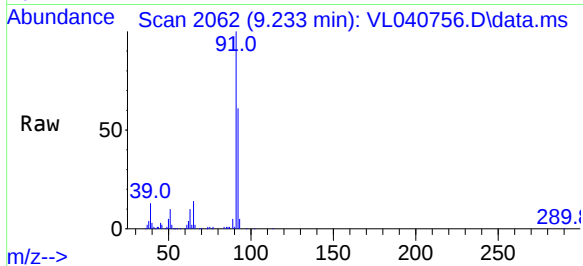




#53  
Toluene  
Concen: 1.036 ppbv  
RT: 9.233 min Scan# 2061  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

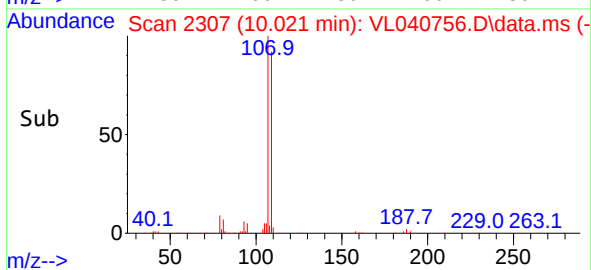
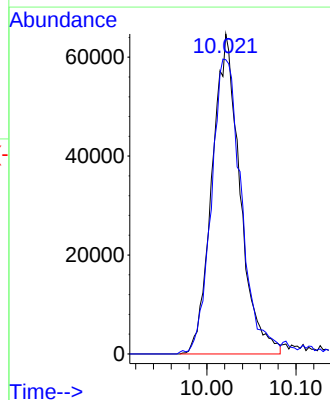
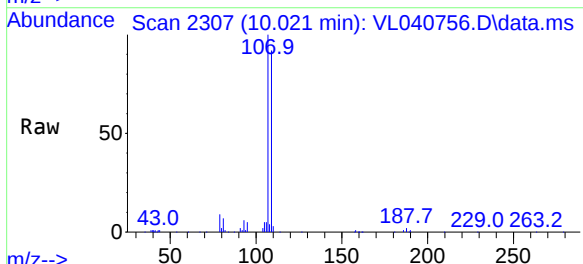
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

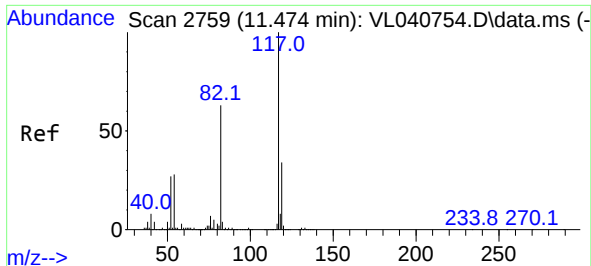
Tgt Ion: 91 Resp: 298781  
Ion Ratio Lower Upper  
91 100  
92 61.3 50.2 75.2



#54  
1,2-Dibromoethane  
Concen: 1.012 ppbv  
RT: 10.021 min Scan# 2307  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 107 Resp: 141038  
Ion Ratio Lower Upper  
107 100  
109 91.4 78.2 117.2

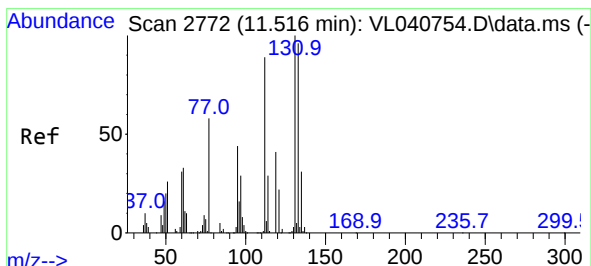
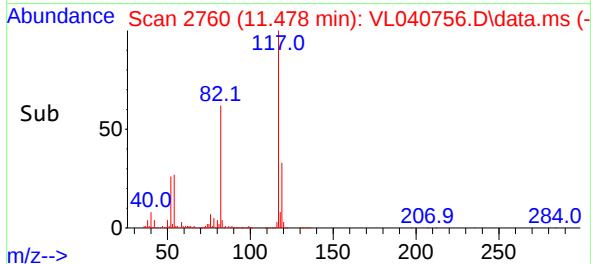
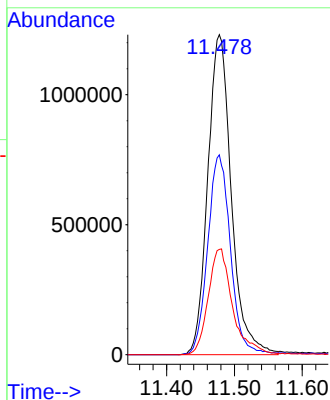
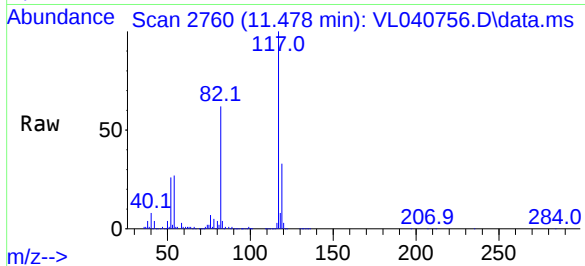




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.478 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

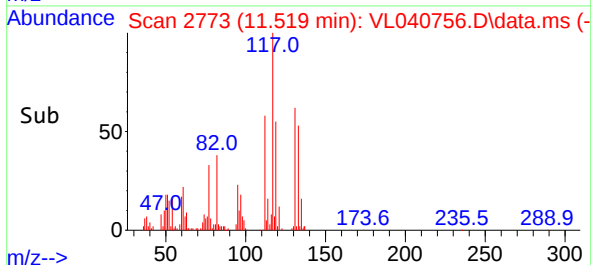
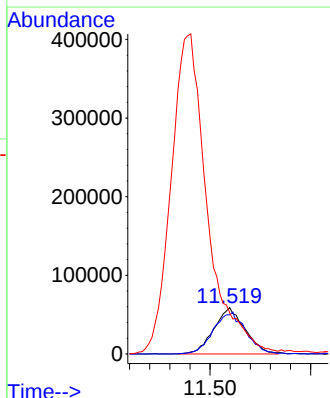
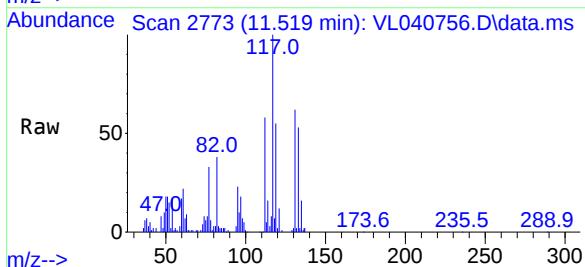
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

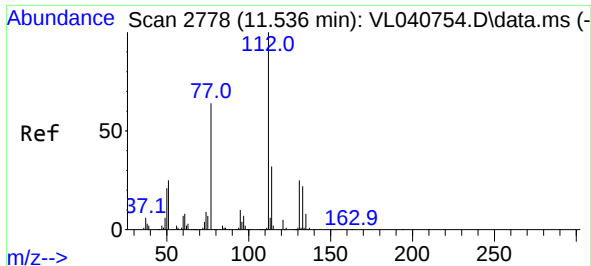
Tgt Ion:117 Resp: 2973872  
Ion Ratio Lower Upper  
117 100  
82 60.7 46.6 70.0  
119 34.5 26.0 39.0



#56  
1,1,1,2-Tetrachloroethane  
Concen: 1.040 ppbv  
RT: 11.519 min Scan# 2773  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:131 Resp: 126176  
Ion Ratio Lower Upper  
131 100  
133 94.5 75.0 112.6  
119 817.1 45.4 68.0#

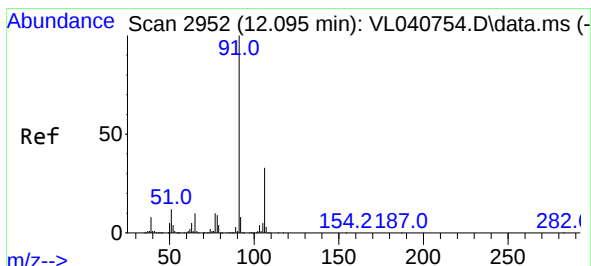
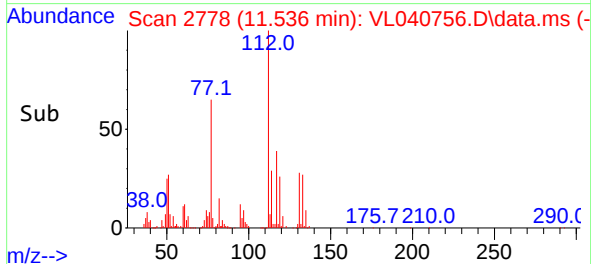
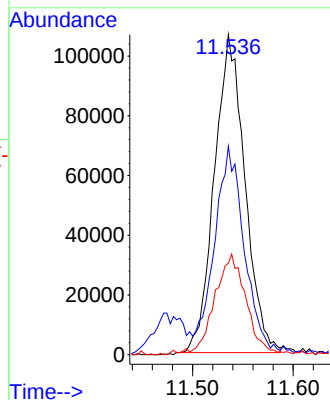
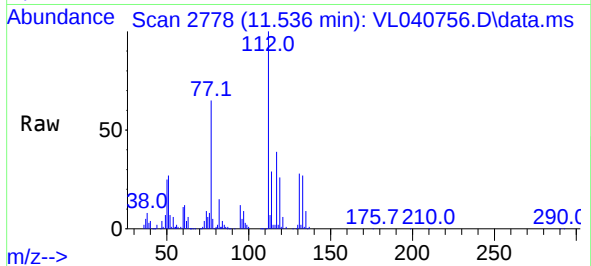




#57  
Chlorobenzene  
Concen: 1.051 ppbv  
RT: 11.536 min Scan# 211  
Delta R.T. 0.000 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

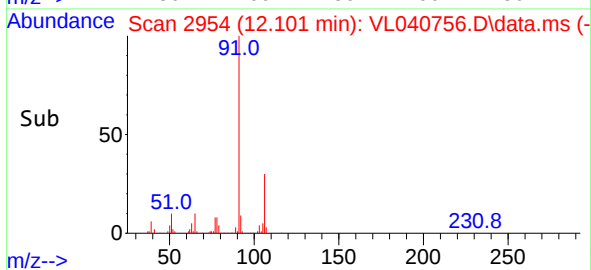
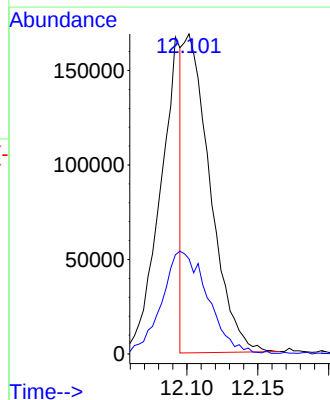
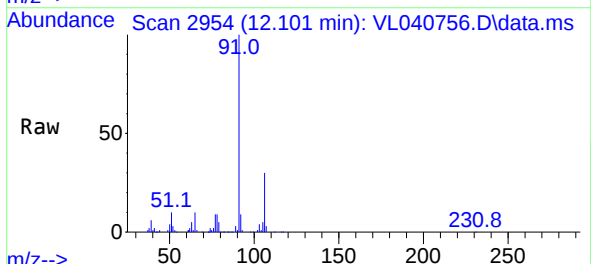
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

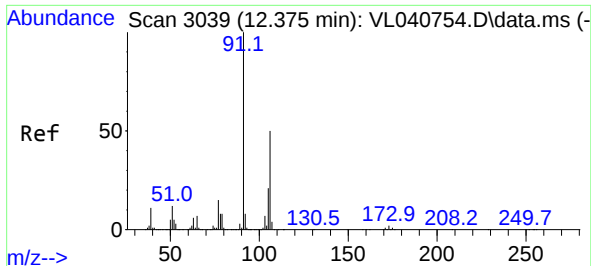
Tgt Ion:112 Resp: 223993  
Ion Ratio Lower Upper  
112 100  
77 64.2 51.9 77.9  
114 28.0 28.6 35.0#



#58  
Ethyl Benzene  
Concen: 0.596 ppbv  
RT: 12.101 min Scan# 2954  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 91 Resp: 223215  
Ion Ratio Lower Upper  
91 100  
106 29.8 26.7 40.1





#59

m/p-Xylene

Concen: 1.088 ppbv

RT: 12.384 min Scan# 3042

Delta R.T. 0.010 min

Lab File: VL040756.D

Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_L

ClientSampleId :

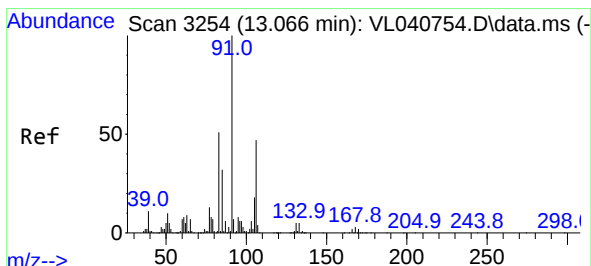
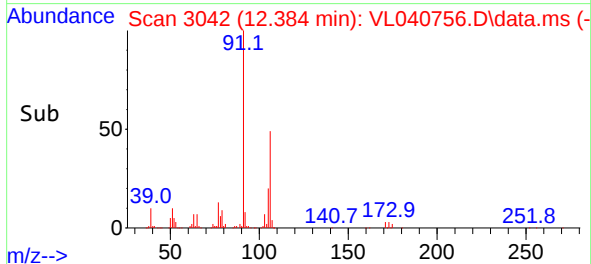
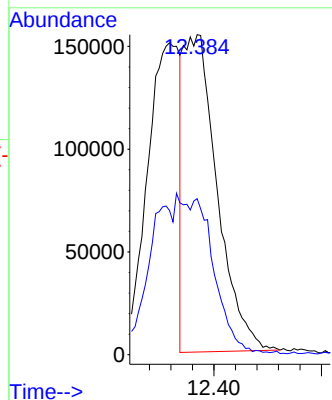
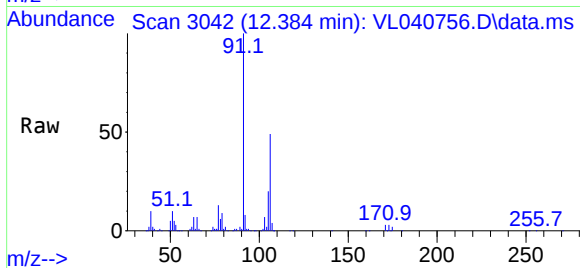
VSTDIC001

Tgt Ion: 91 Resp: 335404

Ion Ratio Lower Upper

91 100

106 0.0 37.7 56.5#



#60

o-Xylene

Concen: 0.454 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.006 min

Lab File: VL040756.D

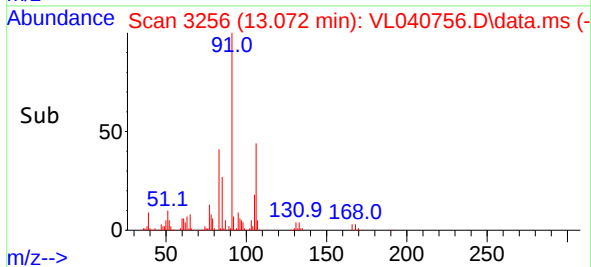
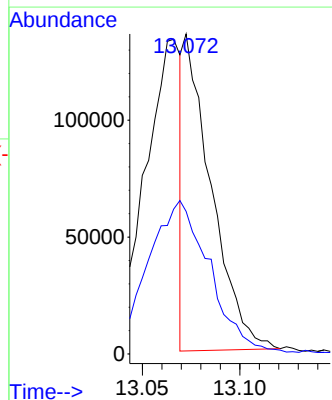
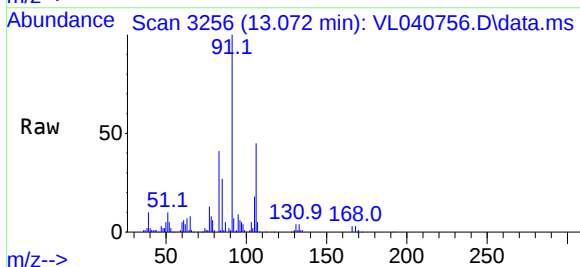
Acq: 11 Oct 2023 13:18

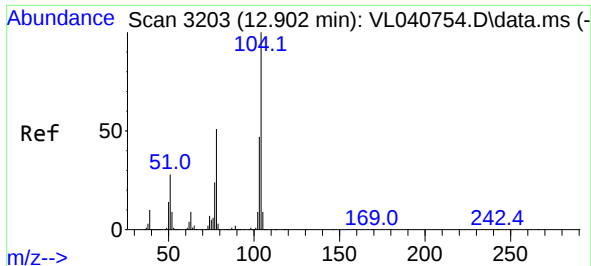
Tgt Ion: 91 Resp: 133409

Ion Ratio Lower Upper

91 100

106 112.4 23.5 70.5#

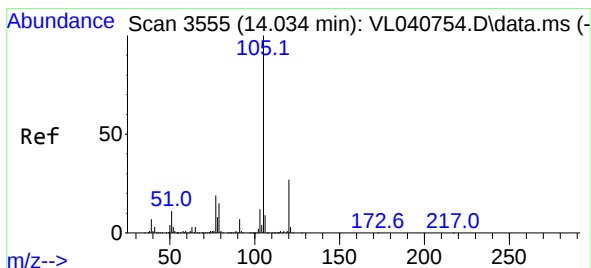
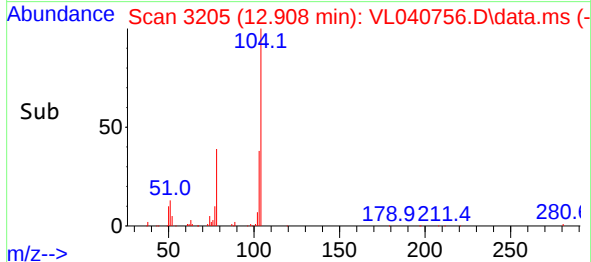
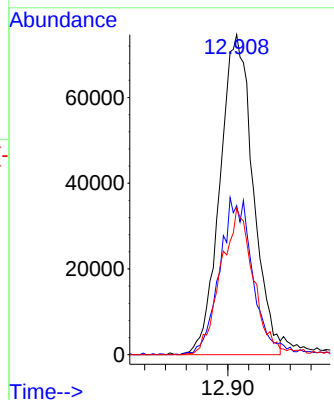
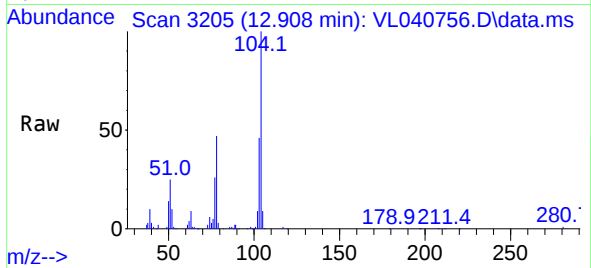




#61  
Styrene  
Concen: 1.014 ppbv  
RT: 12.908 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

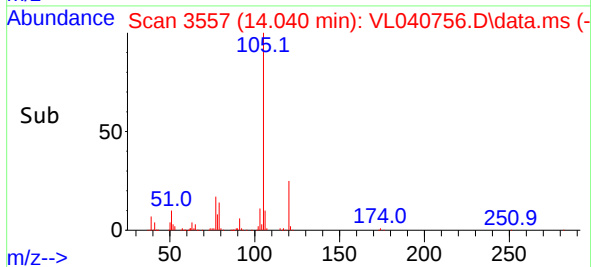
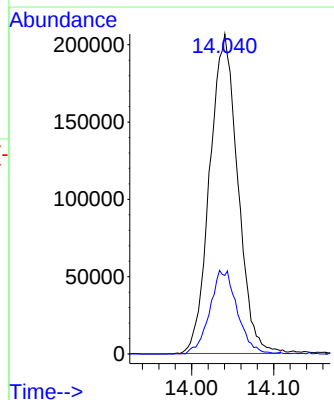
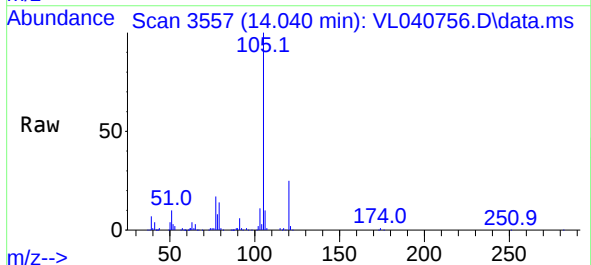
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

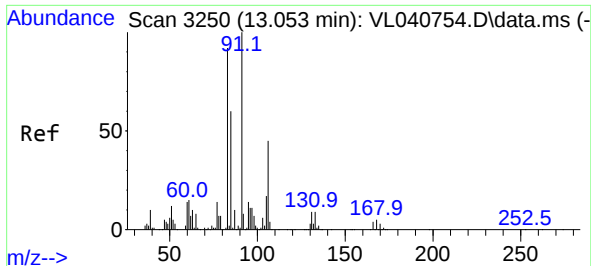
Tgt Ion:104 Resp: 164955  
Ion Ratio Lower Upper  
104 100  
78 49.9 39.8 59.6  
103 45.6 37.5 56.3



#62  
Isopropylbenzene  
Concen: 1.086 ppbv  
RT: 14.040 min Scan# 3557  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:105 Resp: 490605  
Ion Ratio Lower Upper  
105 100  
120 25.9 21.5 32.3

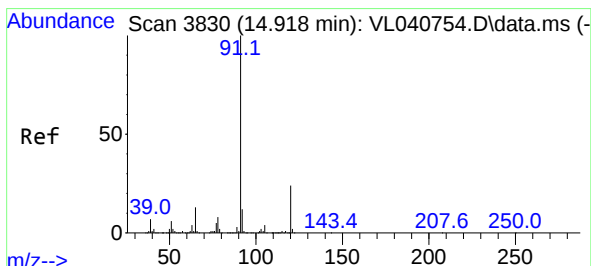
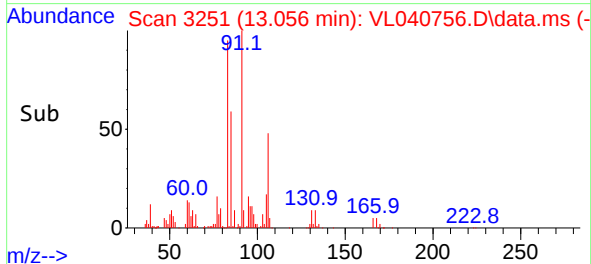
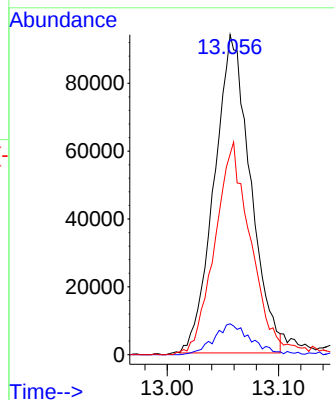
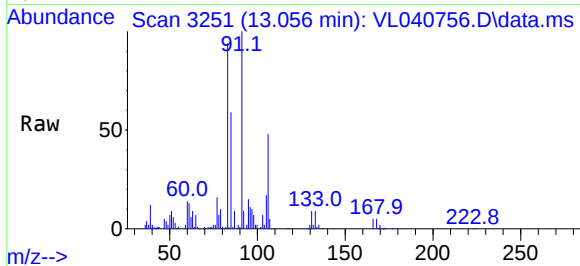




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.964 ppbv  
RT: 13.056 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

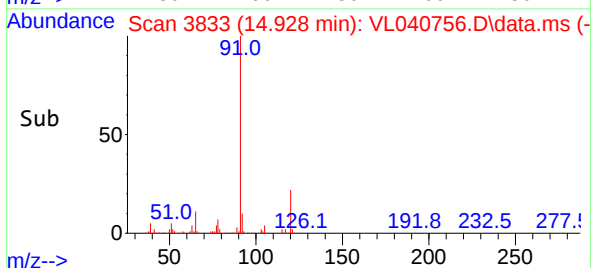
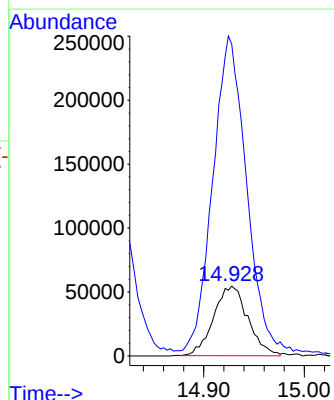
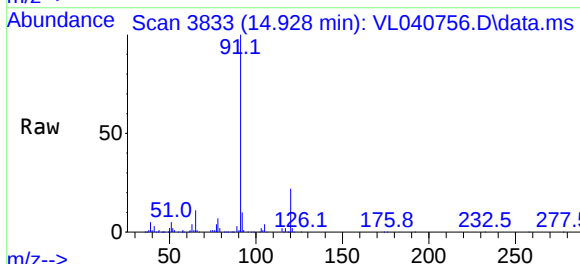
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

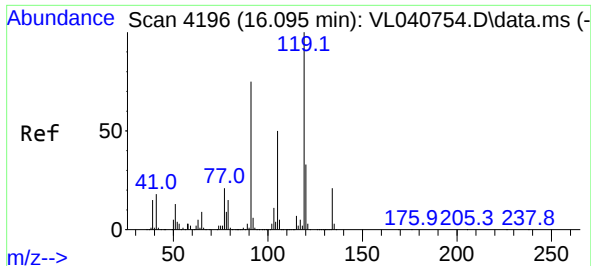
Tgt Ion: 83 Resp: 212188  
Ion Ratio Lower Upper  
83 100  
131 10.3 4.9 14.6  
85 68.4 32.9 98.7



#64  
n-propylbenzene  
Concen: 1.064 ppbv  
RT: 14.928 min Scan# 3833  
Delta R.T. 0.010 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:120 Resp: 129166  
Ion Ratio Lower Upper  
120 100  
91 463.4 345.9 518.9

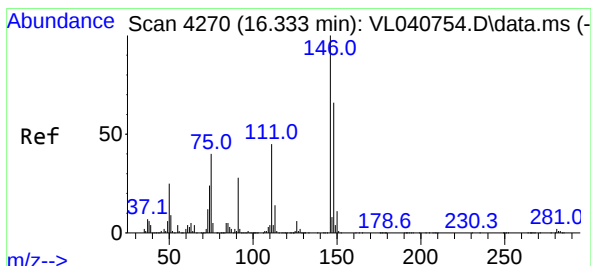
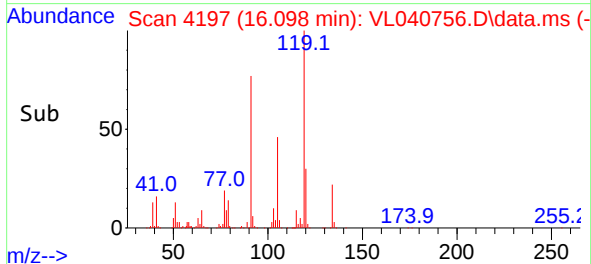
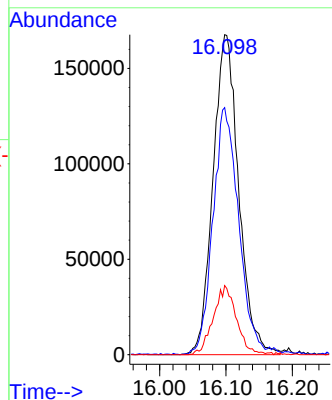
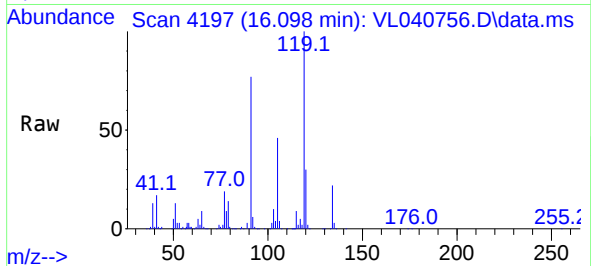




#65  
tert-Butylbenzene  
Concen: 1.107 ppbv  
RT: 16.098 min Scan# 4196  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

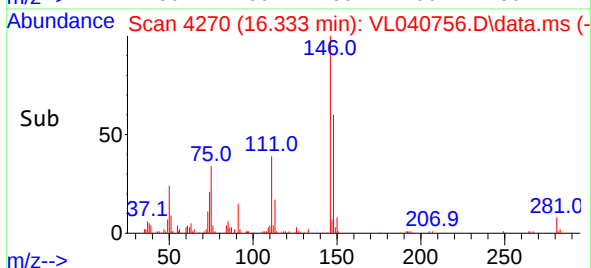
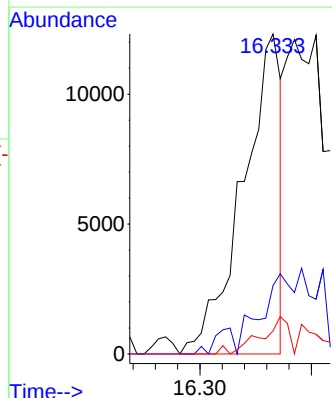
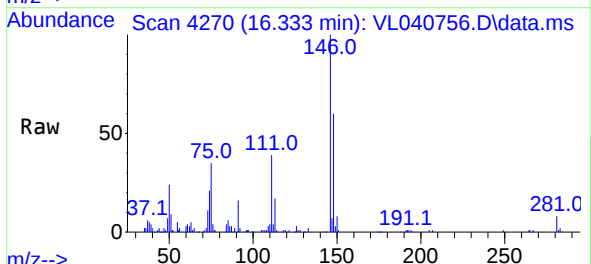
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

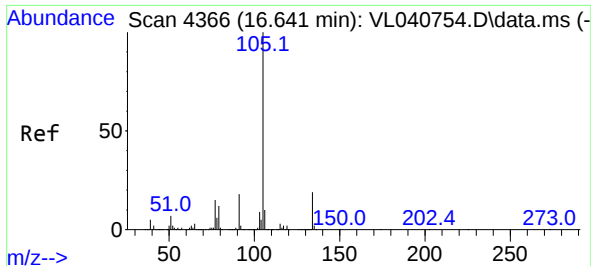
Tgt Ion:119 Resp: 451121  
Ion Ratio Lower Upper  
119 100  
91 78.5 62.2 93.2  
134 19.7 16.1 24.1



#66  
Benzyl Chloride  
Concen: 0.355 ppbv  
RT: 16.333 min Scan# 4270  
Delta R.T. 0.000 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 91 Resp: 14581  
Ion Ratio Lower Upper  
91 100  
126 0.0 16.1 24.1#  
128 16.9 5.2 7.8#

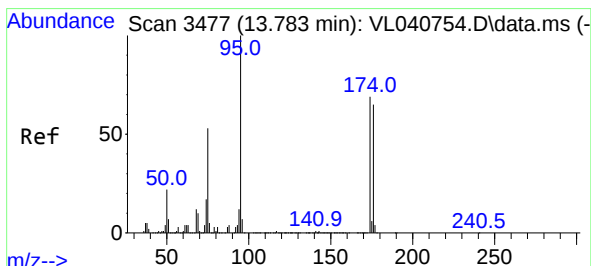
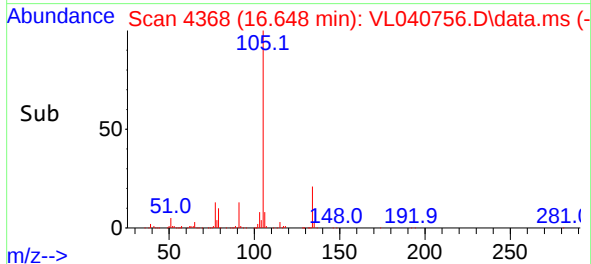
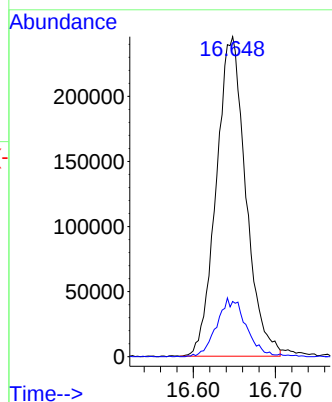
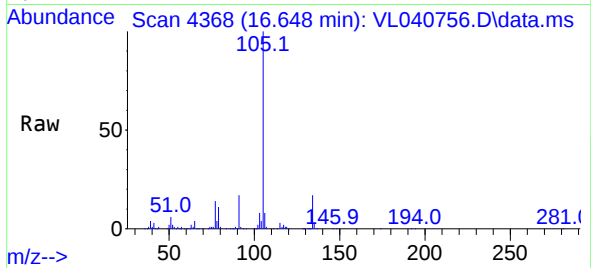




#67  
 sec-Butylbenzene  
 Concen: 1.101 ppbv  
 RT: 16.648 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

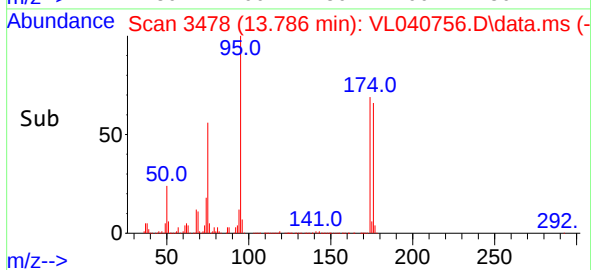
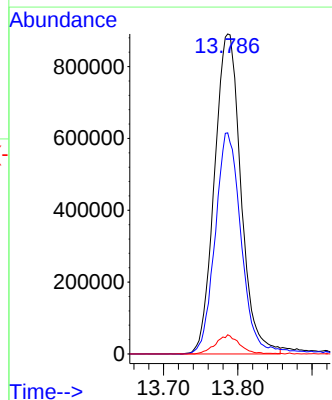
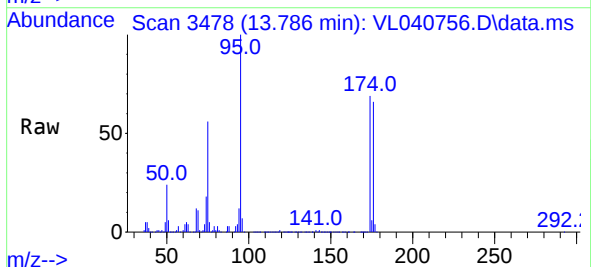
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC001

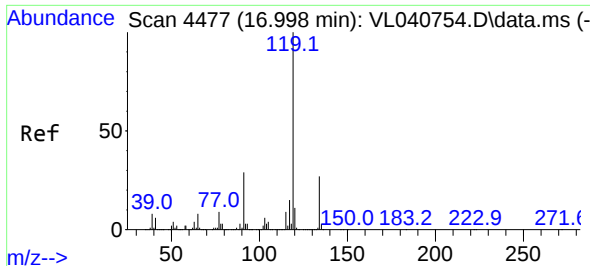
Tgt Ion:105 Resp: 614232  
 Ion Ratio Lower Upper  
 105 100  
 134 18.5 15.4 23.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.087 ppbv  
 RT: 13.786 min Scan# 3478  
 Delta R.T. 0.003 min  
 Lab File: VL040756.D  
 Acq: 11 Oct 2023 13:18

Tgt Ion: 95 Resp: 2207296  
 Ion Ratio Lower Upper  
 95 100  
 174 68.9 54.7 82.1  
 175 5.5 4.2 6.4

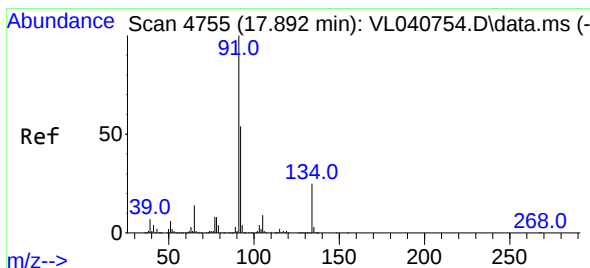
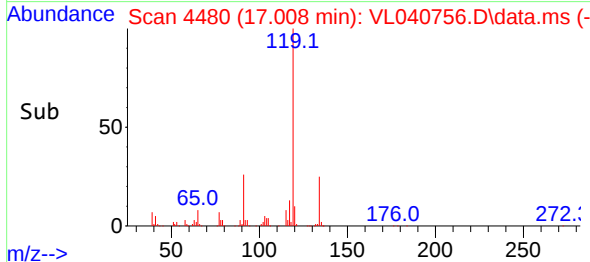
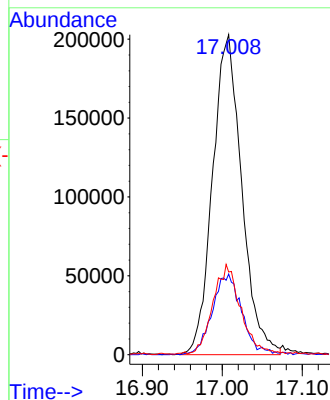
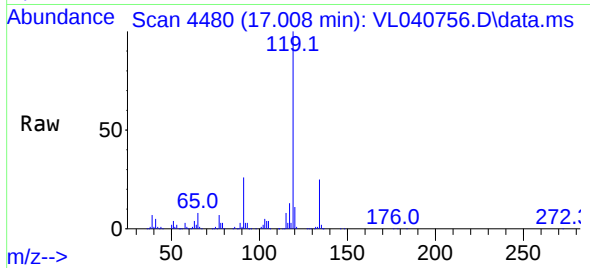




#69  
p-Isopropyltoluene  
Concen: 1.098 ppbv  
RT: 17.008 min Scan# 4477  
Delta R.T. 0.010 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

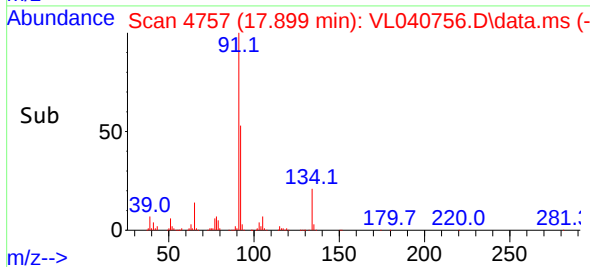
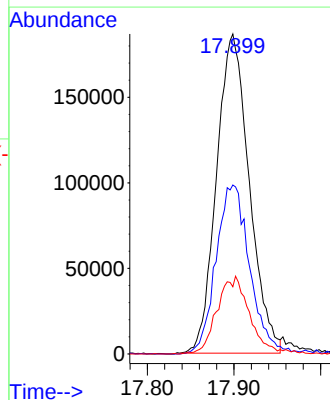
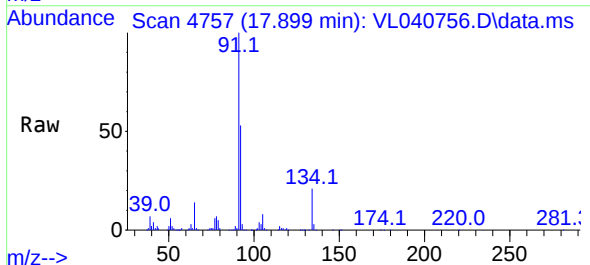
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

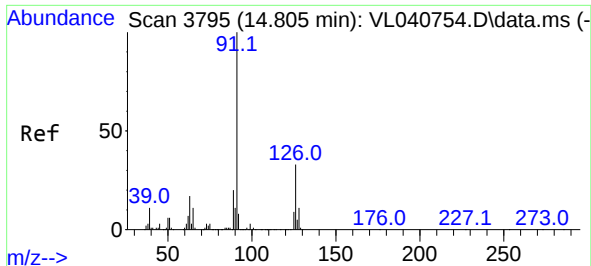
Tgt Ion:119 Resp: 513302  
Ion Ratio Lower Upper  
119 100  
134 25.7 21.0 31.4  
91 27.2 22.8 34.2



#70  
n-Butylbenzene  
Concen: 1.067 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 91 Resp: 489705  
Ion Ratio Lower Upper  
91 100  
92 54.6 44.1 66.1  
134 24.4 19.5 29.3

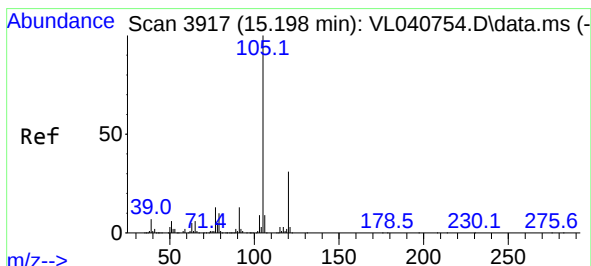
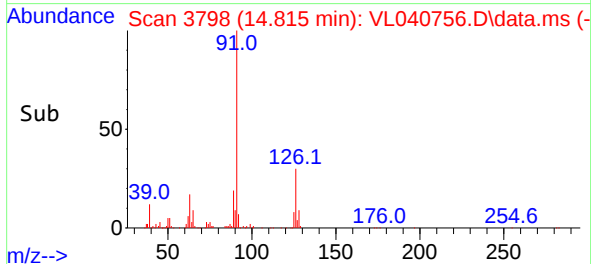
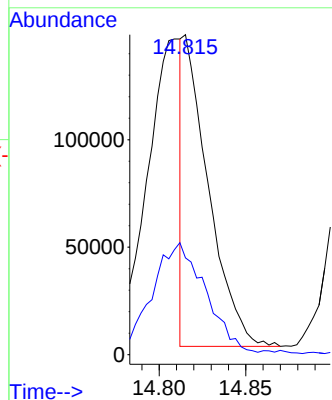
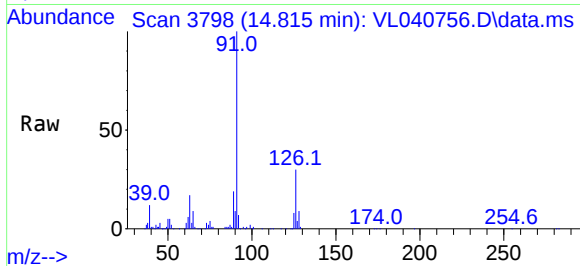




#71  
2-Chlorotoluene  
Concen: 0.434 ppbv  
RT: 14.815 min Scan# 31  
Delta R.T. 0.010 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

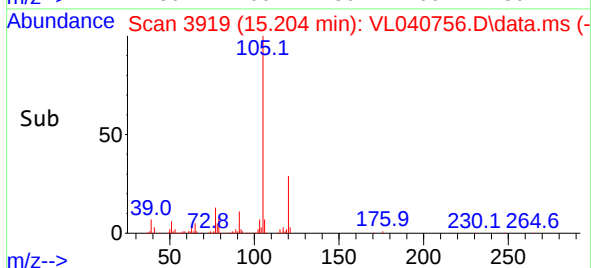
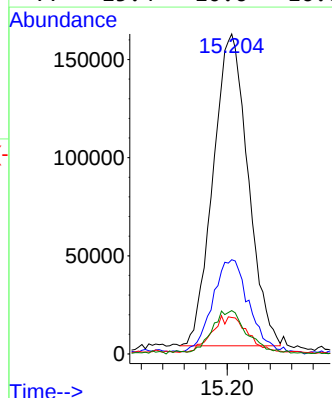
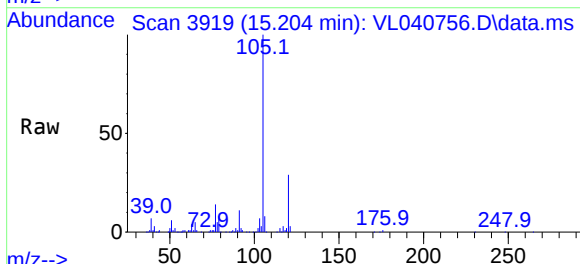
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

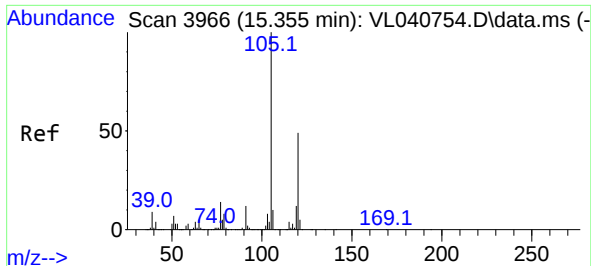
Tgt Ion: 91 Resp: 147274  
Ion Ratio Lower Upper  
91 100  
126 81.3 13.3 53.1#



#72  
4-Ethyltoluene  
Concen: 1.040 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion: 105 Resp: 357589  
Ion Ratio Lower Upper  
105 100  
120 32.9 25.0 37.4  
91 13.1 9.8 14.8  
77 15.4 10.6 16.0

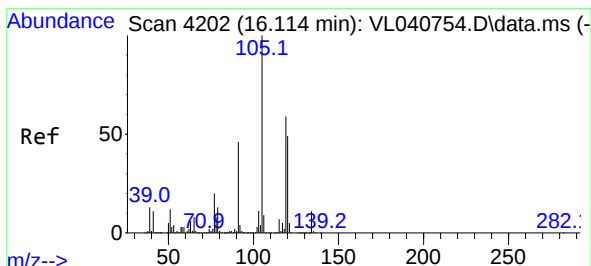
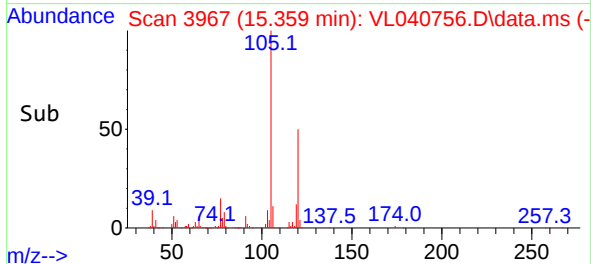
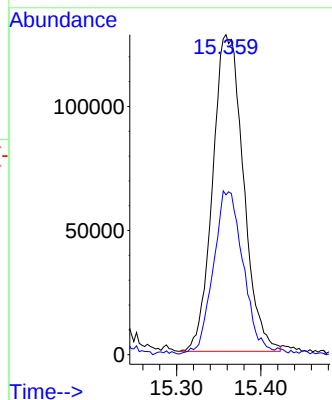
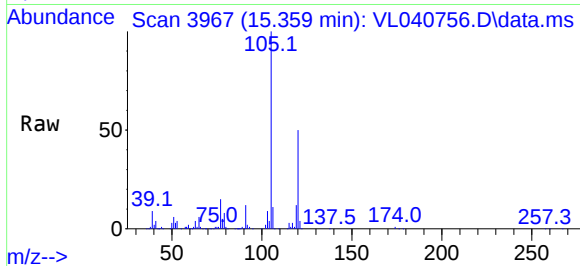




#73  
1,3,5-Trimethylbenzene  
Concen: 1.067 ppbv  
RT: 15.359 min Scan# 3966  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

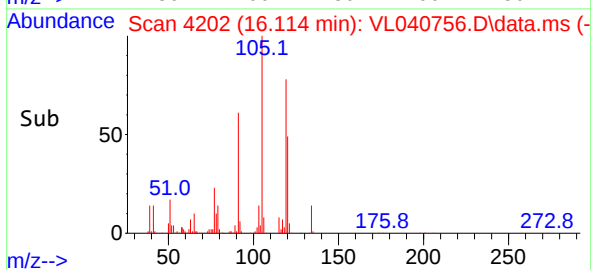
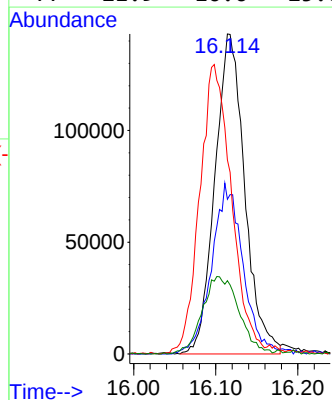
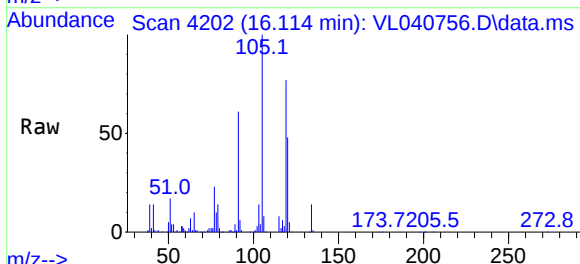
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

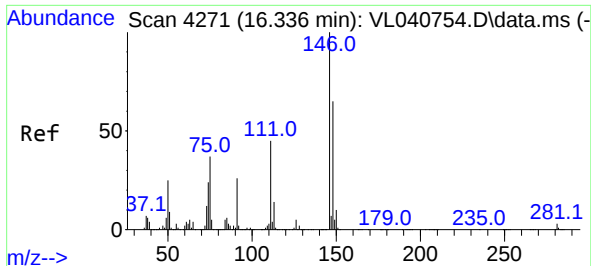
Tgt Ion:105 Resp: 322991  
Ion Ratio Lower Upper  
105 100  
120 50.3 39.4 59.2



#74  
1,2,4-Trimethylbenzene  
Concen: 1.094 ppbv  
RT: 16.114 min Scan# 4202  
Delta R.T. 0.000 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:105 Resp: 361805  
Ion Ratio Lower Upper  
105 100  
120 47.1 39.4 59.2  
91 59.5 38.6 58.0#  
77 21.9 16.6 25.0

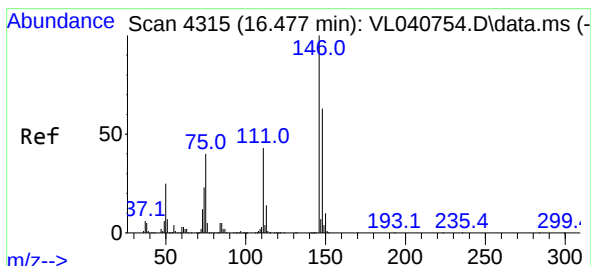
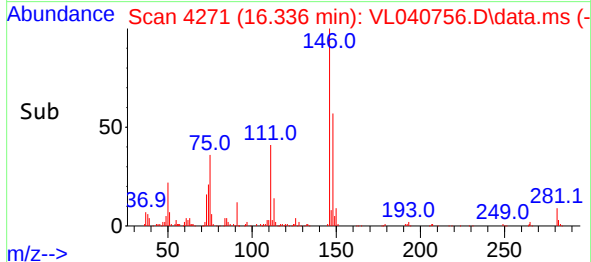
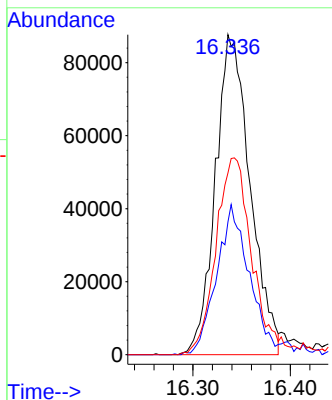
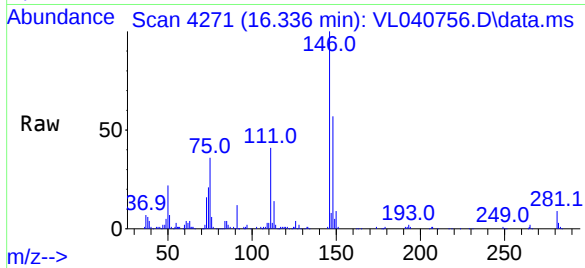




#75  
1,3-Dichlorobenzene  
Concen: 1.055 ppbv  
RT: 16.336 min Scan# 4317  
Delta R.T. 0.000 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

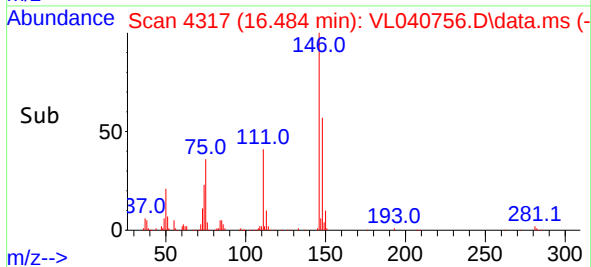
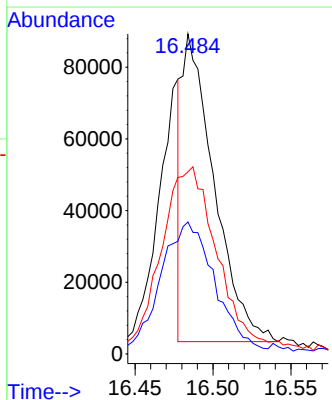
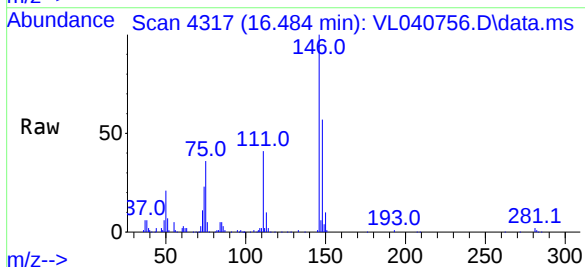
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

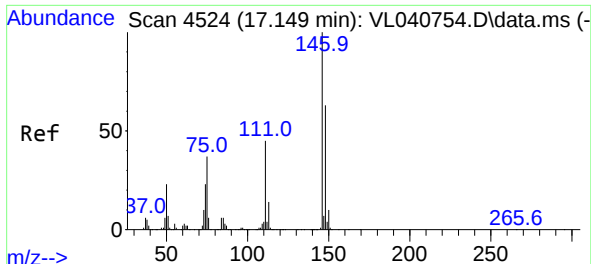
Tgt Ion:146 Resp: 216939  
Ion Ratio Lower Upper  
146 100  
111 46.1 22.6 67.7  
148 64.1 32.4 97.0



#76  
1,4-Dichlorobenzene  
Concen: 0.599 ppbv  
RT: 16.484 min Scan# 4317  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:146 Resp: 122088  
Ion Ratio Lower Upper  
146 100  
111 76.7 22.0 66.0#  
148 113.5 33.4 100.1#

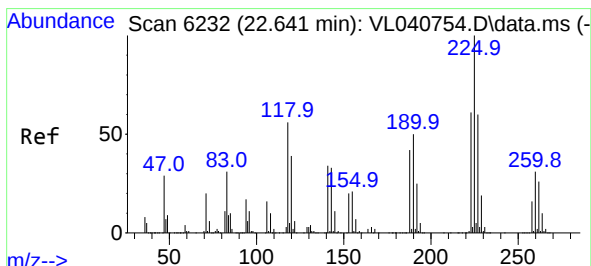
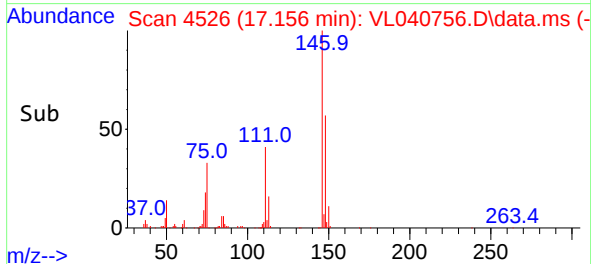
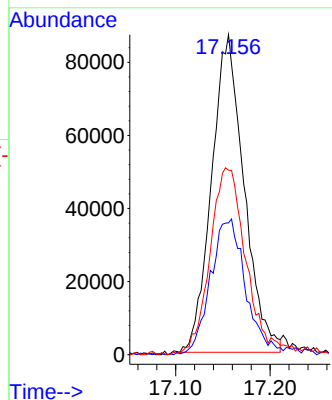
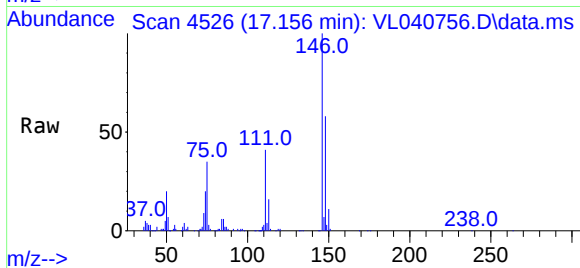




#77  
1,2-Dichlorobenzene  
Concen: 1.027 ppbv  
RT: 17.156 min Scan# 41  
Delta R.T. 0.006 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

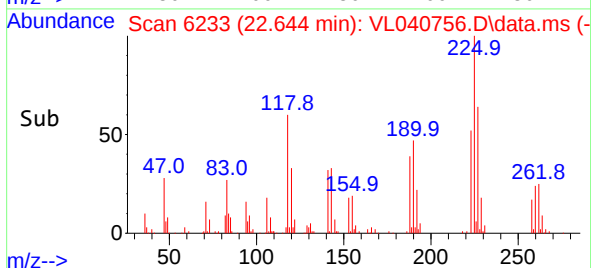
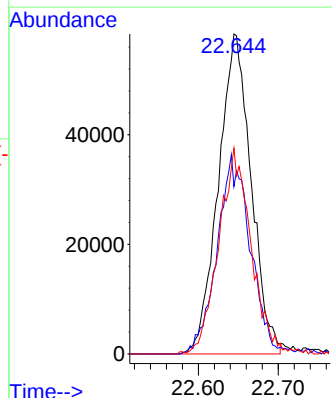
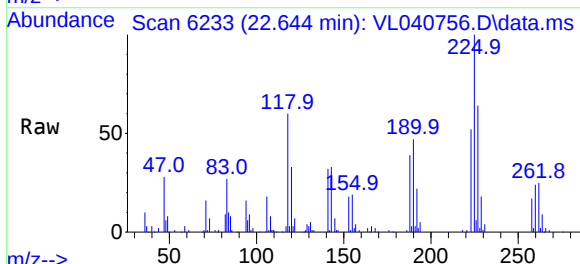
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC001

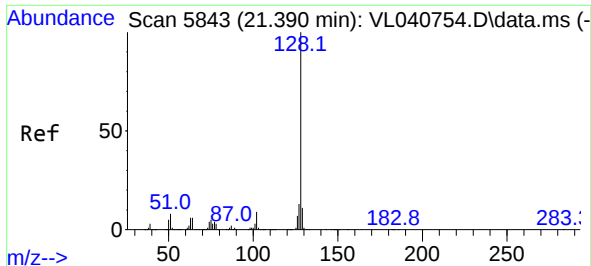
Tgt Ion:146 Resp: 207258  
Ion Ratio Lower Upper  
146 100  
111 47.8 22.9 68.8  
148 67.0 32.3 96.8



#78  
Hexachloro-1,3-Butadiene  
Concen: 1.149 ppbv  
RT: 22.644 min Scan# 6233  
Delta R.T. 0.003 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:225 Resp: 165894  
Ion Ratio Lower Upper  
225 100  
223 64.2 50.7 76.1  
227 64.1 51.4 77.0

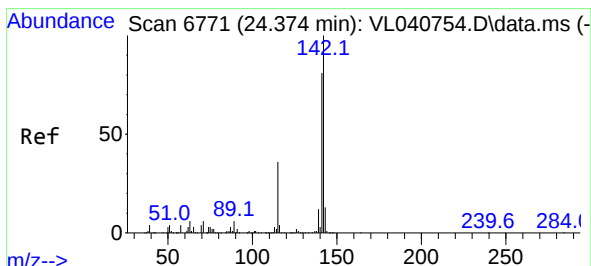
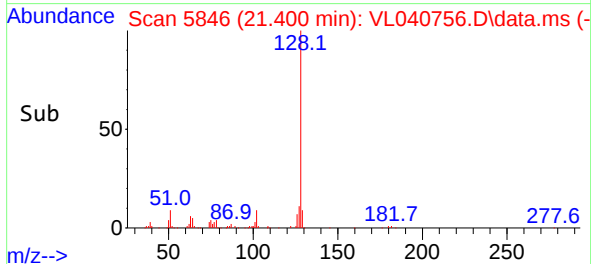
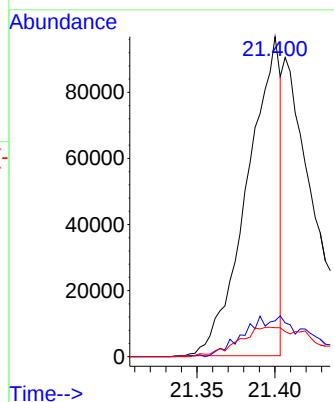
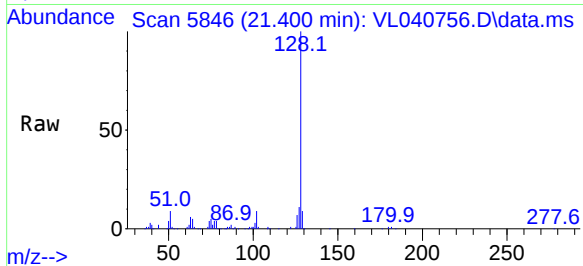




#79  
Naphthalene  
Concen: 0.531 ppbv  
RT: 21.400 min Scan# 5846  
Delta R.T. 0.010 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

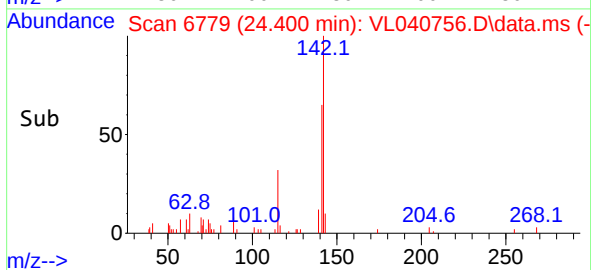
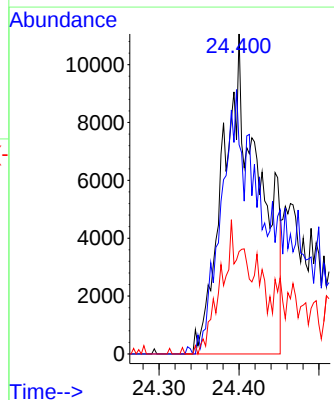
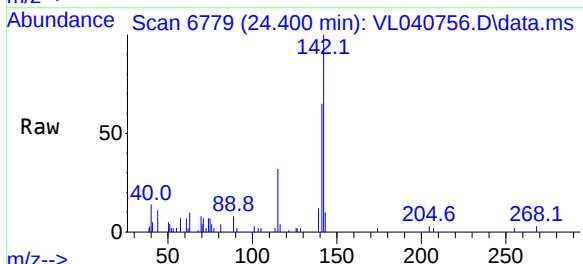
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC001

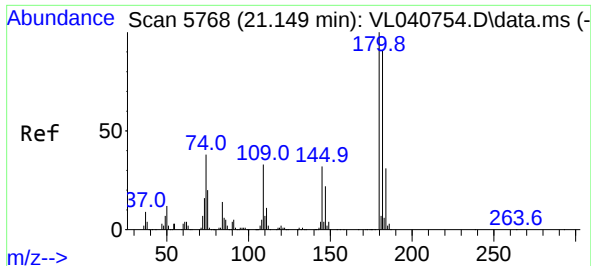
Tgt Ion:128 Resp: 142700  
Ion Ratio Lower Upper  
128 100  
127 11.1 10.6 15.8  
129 9.1 9.0 13.4



#80  
Naphthalene,2-methyl-  
Concen: 0.465 ppbv  
RT: 24.400 min Scan# 6779  
Delta R.T. 0.026 min  
Lab File: VL040756.D  
Acq: 11 Oct 2023 13:18

Tgt Ion:142 Resp: 35097  
Ion Ratio Lower Upper  
142 100  
141 73.7 66.3 99.5  
115 38.0 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 0.987 ppbv

RT: 21.153 min Scan# 51

Delta R.T. 0.003 min

Lab File: VL040756.D

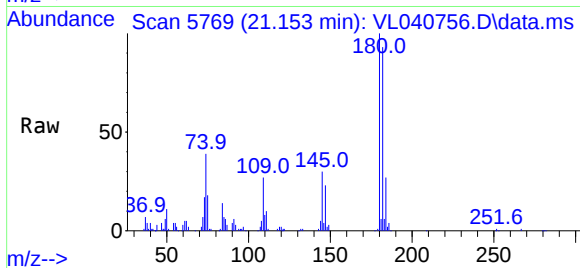
Acq: 11 Oct 2023 13:18

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC001



Tgt Ion:180 Resp: 144141

Ion Ratio Lower Upper

180 100

182 97.4 77.9 116.9

184 32.0 25.0 37.6

