

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082522\  
 Data File : VL039601.D  
 Acq On : 26 Aug 2022 13:13  
 Operator : SY/AP  
 Sample : VSTDC0010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDC0010EC

Quant Time: Aug 26 23:58:12 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Aug 26 06:05:16 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.211  | 49   | 1035595  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.671  | 114  | 2739023  | 10.000 | ppbv  | 0.01     |
| 55) Chlorobenzene-d5    | 11.478 | 117  | 2704566  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.786 | 95    | 1946740  | 9.541    | ppbv | 0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 95.400% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.755 | 85  | 1870535 | 13.574 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.700 | 51  | 1178157 | 9.549  | ppbv   | 96     |
| 4) Chloromethane              | 2.838 | 50  | 707378  | 9.518  | ppbv   | 97     |
| 5) Vinyl Chloride             | 2.944 | 62  | 622393  | 10.376 | ppbv   | 96     |
| 6) Bromomethane               | 3.144 | 94  | 248037  | 9.751  | ppbv   | 97     |
| 7) Chloroethane               | 3.221 | 64  | 221092  | 9.838  | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane  | 2.883 | 85  | 1474549 | 10.002 | ppbv   | 97     |
| 9) Propene                    | 2.719 | 41  | 553447  | 9.803  | ppbv   | 99     |
| 10) Heptane                   | 7.597 | 43  | 1381508 | 10.566 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.587 | 101 | 1447432 | 9.570  | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.089 | 101 | 1071194 | 9.575  | ppbv   | 97     |
| 13) Ethanol                   | 3.269 | 45  | 26427   | 6.513  | ppbv   | 97     |
| 14) Bromoethene               | 3.391 | 108 | 452882  | 9.908  | ppbv   | 98     |
| 15) Acetone                   | 3.491 | 43  | 1072239 | 9.243  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.009 | 39  | 607872  | 10.042 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.899 | 59  | 948027  | 9.576  | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.902 | 96  | 489757  | 9.720  | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.597 | 45  | 583966  | 10.348 | ppbv   | 100    |
| 20) Methylene Chloride        | 3.957 | 84  | 427477  | 9.070  | ppbv   | 94     |
| 21) Allyl Chloride            | 4.018 | 41  | 780098  | 10.338 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.465 | 96  | 503660  | 10.050 | ppbv   | 95     |
| 23) Vinyl Acetate             | 4.645 | 43  | 548073  | 9.936  | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 4.584 | 63  | 1022254 | 10.012 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.224 | 43  | 2471735 | 9.958  | ppbv   | 100    |
| 26) Hexane                    | 5.234 | 57  | 1019005 | 10.058 | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.144 | 76  | 1163223 | 10.748 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.610 | 73  | 802794  | 9.186  | ppbv   | 98     |
| 29) Chloroform                | 5.291 | 83  | 1557194 | 9.828  | ppbv   | 95     |
| 30) Cyclohexane               | 6.619 | 84  | 832305  | 9.921  | ppbv   | 93     |
| 31) cis-1,2-Dichloroethene    | 5.095 | 61  | 998212  | 10.173 | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.021 | 97  | 1468287 | 10.534 | ppbv   | 97     |
| 34) 2-Butanone                | 4.809 | 43  | 1436340 | 10.548 | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 6.510 | 117 | 1596459 | 10.783 | ppbv   | 95     |
| 36) Benzene                   | 6.388 | 78  | 2153322 | 10.313 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.825 | 62  | 1155780 | 10.049 | ppbv   | 99     |
| 38) Trichloroethene           | 7.307 | 130 | 1197791 | 10.707 | ppbv   | 98     |
| 39) 1,2-Dichloropropane       | 7.089 | 63  | 807059  | 10.281 | ppbv   | 96     |
| 40) 1,4-Dioxane               | 7.304 | 88  | 307571  | 10.008 | ppbv   | 86     |
| 41) Tetrahydrofuran           | 5.574 | 42  | 871348  | 10.712 | ppbv   | 97     |
| 42) Bromodichloromethane      | 7.266 | 83  | 1679432 | 10.671 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.491 | 69  | 843452  | 11.203 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.343 | 57  | 3616712 | 10.276 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.725 | 75  | 805633  | 12.287 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL082522\  
 Data File : VL039601.D  
 Acq On : 26 Aug 2022 13:13  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

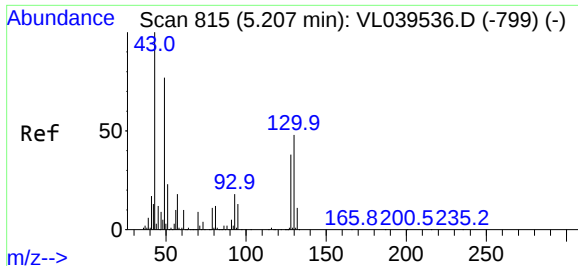
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Aug 26 23:58:12 2022  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL081722AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Aug 26 06:05:16 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.156  | 75   | 1102100  | 12.135 | ppbv   | 98       |
| 47) 1,1,2-Trichloroethane     | 8.912  | 97   | 888913   | 9.915  | ppbv   | 95       |
| 48) Dibromochloromethane      | 9.722  | 129  | 1497605  | 11.333 | ppbv   | 100      |
| 49) Bromoform                 | 12.416 | 173  | 1300215  | 11.878 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.198  | 43   | 2320243  | 10.937 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.568  | 43   | 1783341  | 11.422 | ppbv   | 98       |
| 52) Tetrachloroethene         | 10.626 | 164  | 834958   | 10.570 | ppbv   | 94       |
| 53) Toluene                   | 9.233  | 91   | 2550334  | 10.914 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.021 | 107  | 1077414  | 10.745 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.519 | 131  | 1100824  | 10.017 | ppbv   | 95       |
| 57) Chlorobenzene             | 11.542 | 112  | 1979779  | 9.812  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.101 | 91   | 3352907  | 10.790 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.384 | 91   | 3103712  | 11.133 | ppbv # | 39       |
| 60) o-Xylene                  | 13.072 | 91   | 2779865  | 10.389 | ppbv   | 99       |
| 61) Styrene                   | 12.912 | 104  | 1697605  | 11.911 | ppbv   | 98       |
| 62) Isopropylbenzene          | 14.043 | 105  | 4058303  | 10.029 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.060 | 83   | 1165822  | 9.200  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.928 | 120  | 1065204  | 10.129 | ppbv   | 100      |
| 65) tert-Butylbenzene         | 16.104 | 119  | 3613267  | 10.045 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.342 | 91   | 340423   | 11.651 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.651 | 105  | 5043732  | 9.900  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.008 | 119  | 4245295  | 10.038 | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.899 | 91   | 4226269  | 10.045 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.815 | 91   | 3020220  | 10.305 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.204 | 105  | 3268706  | 10.447 | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.365 | 105  | 2967675  | 10.379 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.124 | 105  | 3167454  | 9.942  | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 16.342 | 146  | 1958733  | 10.112 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.487 | 146  | 1897147  | 9.830  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.156 | 146  | 1877096  | 9.896  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.644 | 225  | 1351153  | 8.944  | ppbv   | 99       |
| 79) Naphthalene               | 21.394 | 128  | 2736217  | 12.059 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.387 | 142  | 1217899  | 13.225 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.152 | 180  | 1534822  | 10.130 | ppbv   | 99       |

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

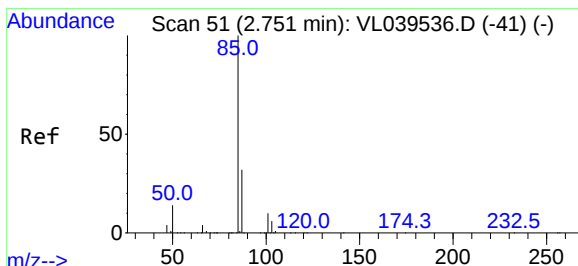
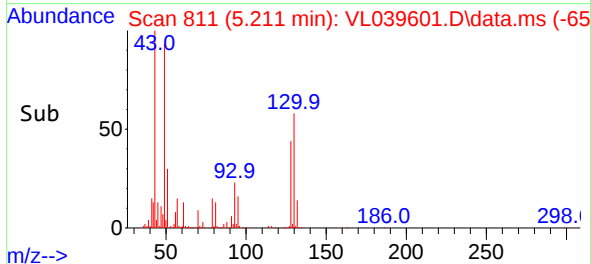
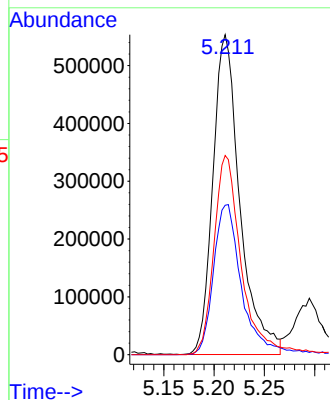
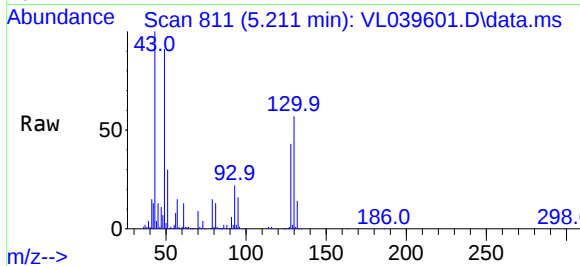




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.211 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

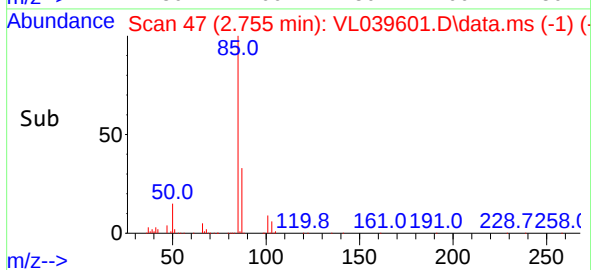
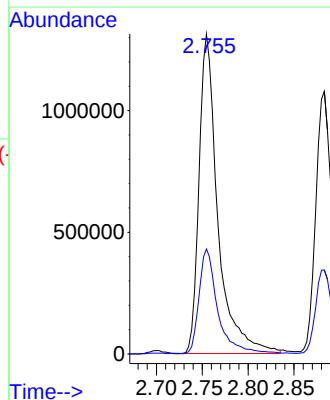
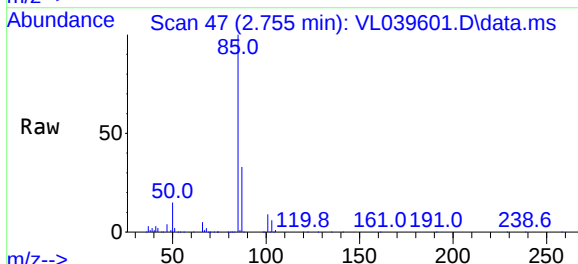
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

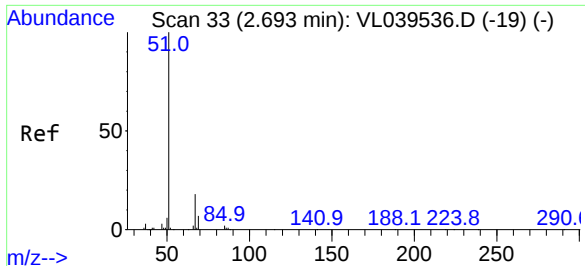
Tgt Ion: 49 Resp: 1035595  
Ion Ratio Lower Upper  
49 100  
128 50.2 26.7 80.0  
130 64.1 34.3 102.8



#2  
Dichlorodifluoromethane  
Concen: 13.574 ppbv  
RT: 2.755 min Scan# 47  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 85 Resp: 1870535  
Ion Ratio Lower Upper  
85 100  
87 32.8 26.7 40.1

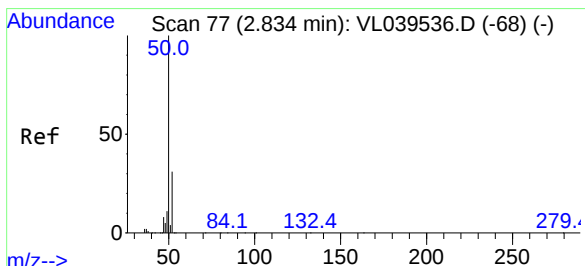
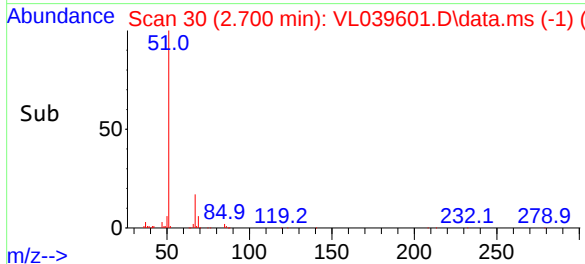
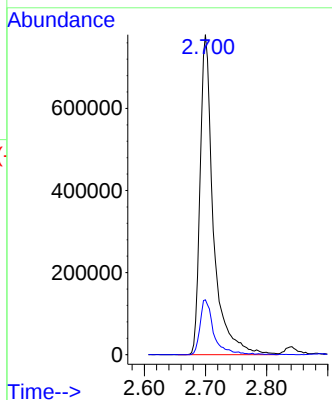
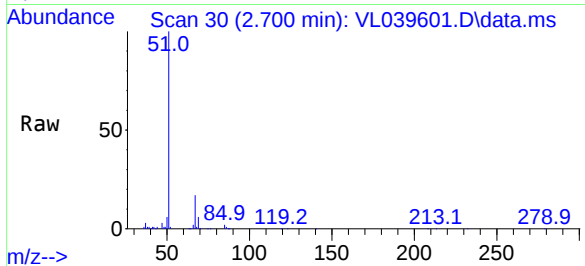




#3  
Chlorodifluoromethane  
Concen: 9.549 ppbv  
RT: 2.700 min Scan# 30  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

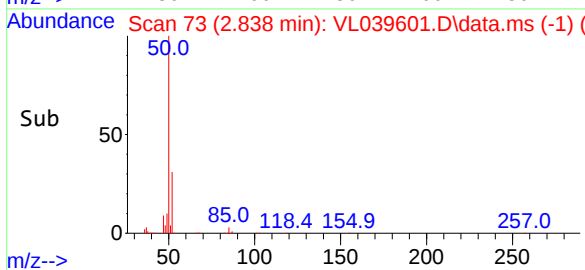
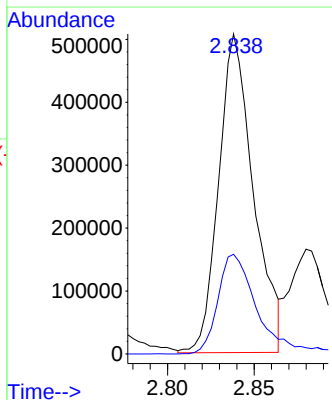
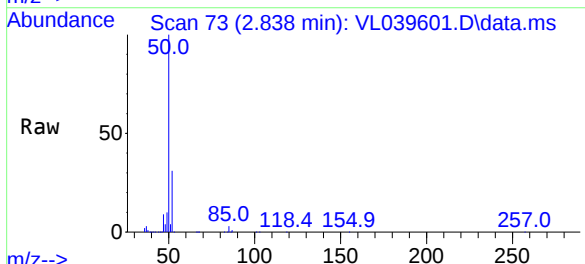
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

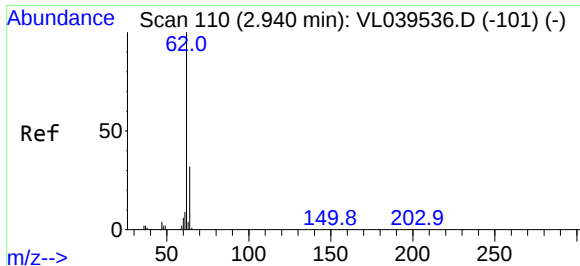
Tgt Ion: 51 Resp: 1178157  
Ion Ratio Lower Upper  
51 100  
67 17.9 15.7 23.5



#4  
Chloromethane  
Concen: 9.518 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 50 Resp: 707378  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.5 39.7

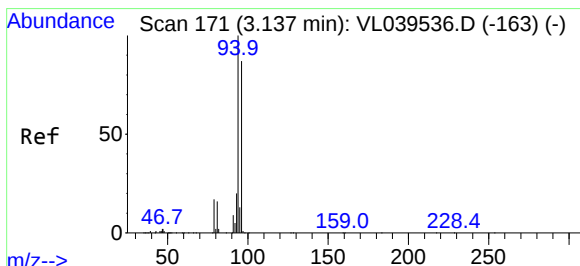
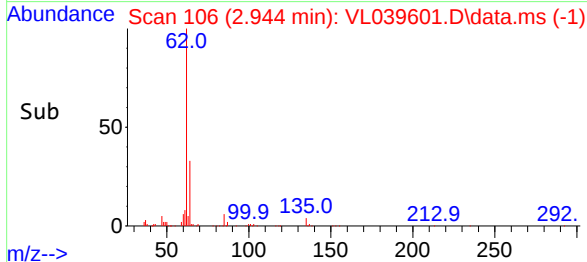
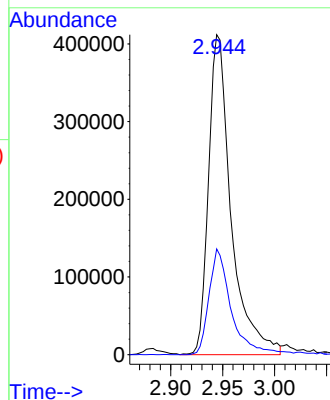
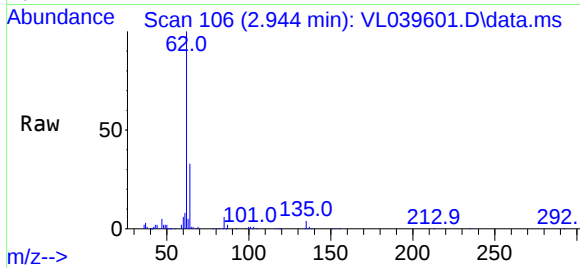




#5  
 Vinyl Chloride  
 Concen: 10.376 ppbv  
 RT: 2.944 min Scan# 106  
 Delta R.T. 0.004 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

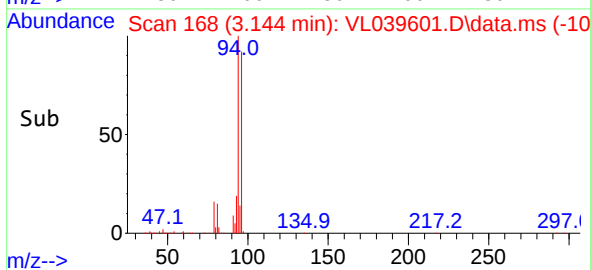
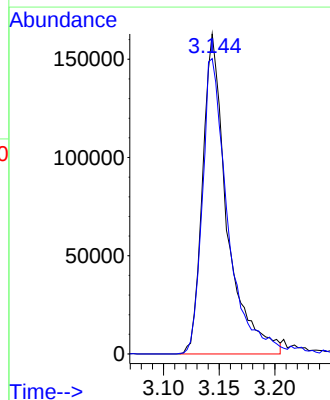
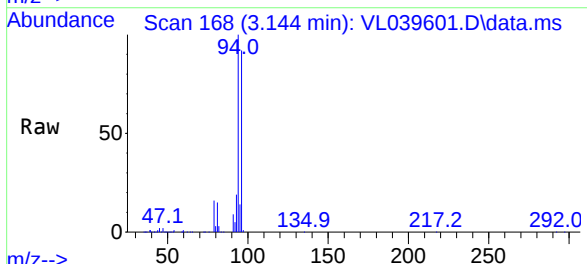
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

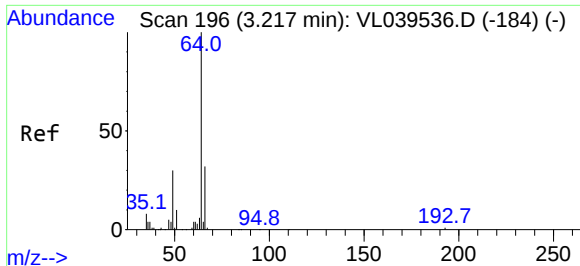
Tgt Ion: 62 Resp: 622393  
 Ion Ratio Lower Upper  
 62 100  
 64 33.1 24.6 36.8



#6  
 Bromomethane  
 Concen: 9.751 ppbv  
 RT: 3.144 min Scan# 168  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 94 Resp: 248037  
 Ion Ratio Lower Upper  
 94 100  
 96 92.1 75.6 113.4

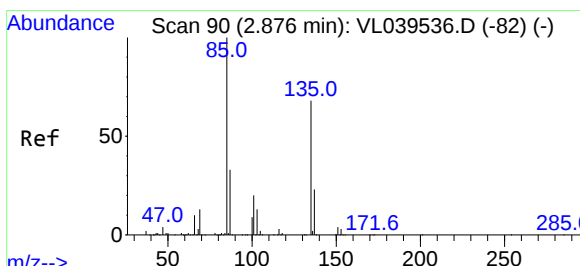
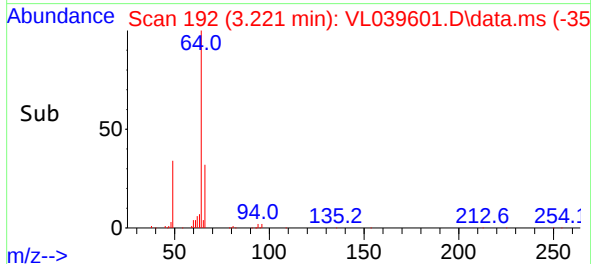
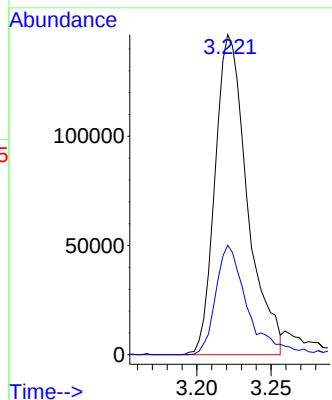
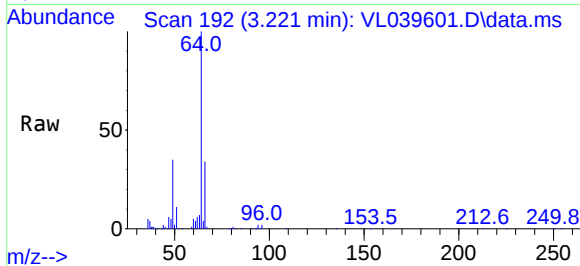




#7  
Chloroethane  
Concen: 9.838 ppbv  
RT: 3.221 min Scan# 196  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

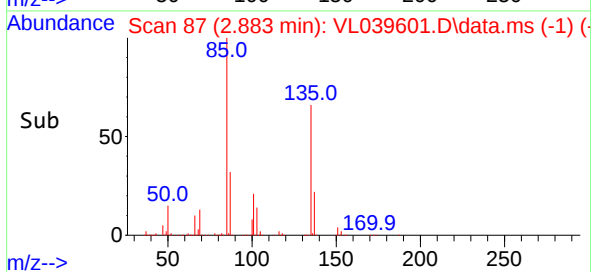
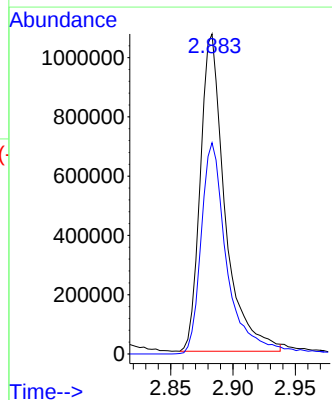
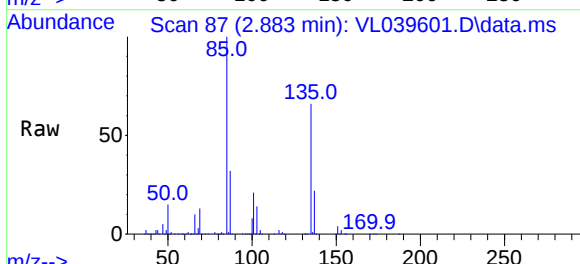
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

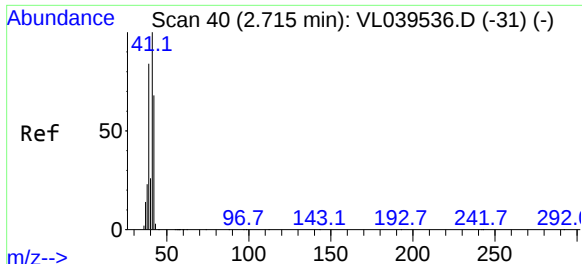
Tgt Ion: 64 Resp: 221092  
Ion Ratio Lower Upper  
64 100  
66 34.3 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 10.002 ppbv  
RT: 2.883 min Scan# 87  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 85 Resp: 1474549  
Ion Ratio Lower Upper  
85 100  
135 71.6 59.0 88.4

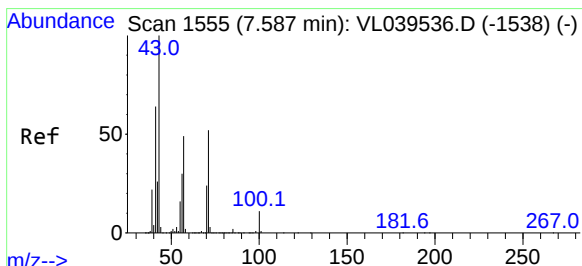
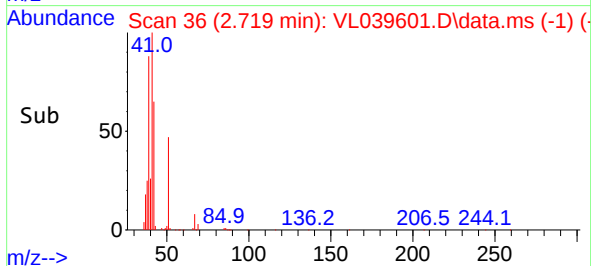
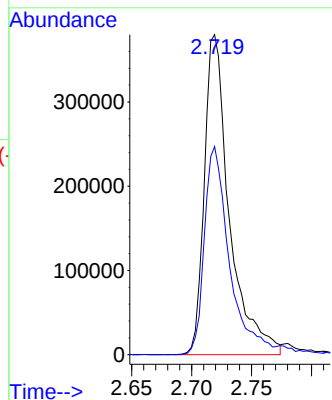
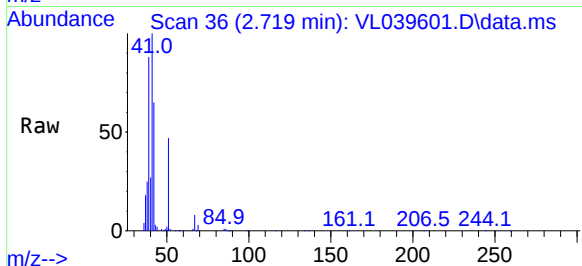




#9  
 Propene  
 Concen: 9.803 ppbv  
 RT: 2.719 min Scan# 30  
 Delta R.T. 0.004 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

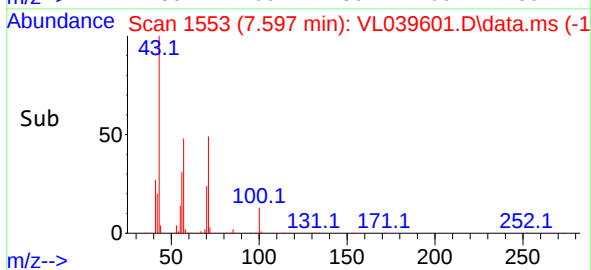
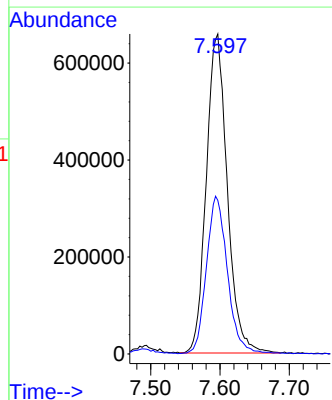
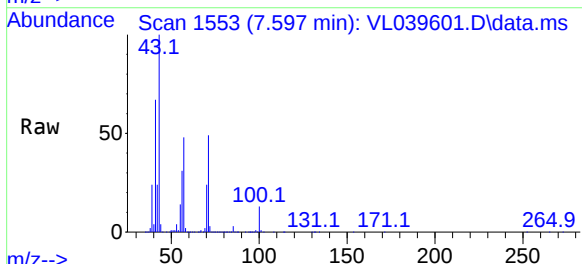
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

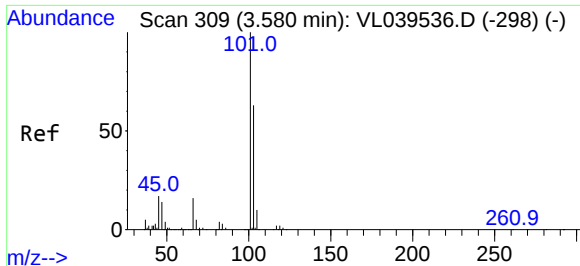
Tgt Ion: 41 Resp: 553447  
 Ion Ratio Lower Upper  
 41 100  
 42 68.1 55.2 82.8



#10  
 Heptane  
 Concen: 10.566 ppbv  
 RT: 7.597 min Scan# 1553  
 Delta R.T. 0.010 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 43 Resp: 1381508  
 Ion Ratio Lower Upper  
 43 100  
 57 50.3 40.5 60.7

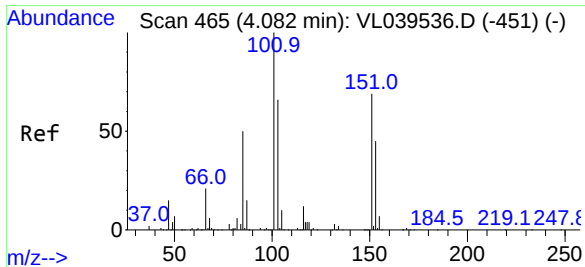
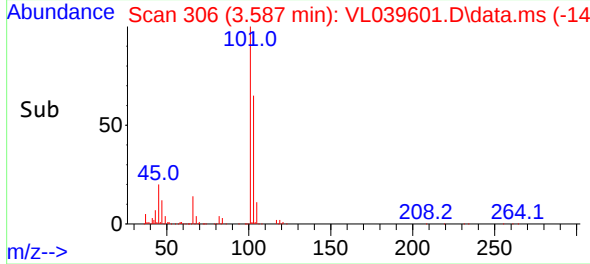
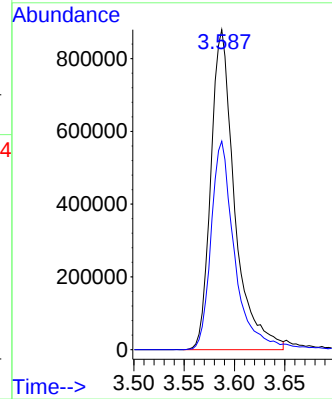
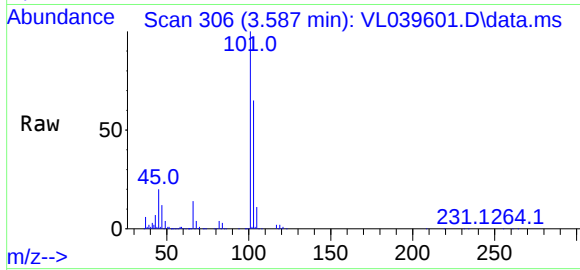




#11  
 Trichlorofluoromethane  
 Concen: 9.570 ppbv  
 RT: 3.587 min Scan# 309  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

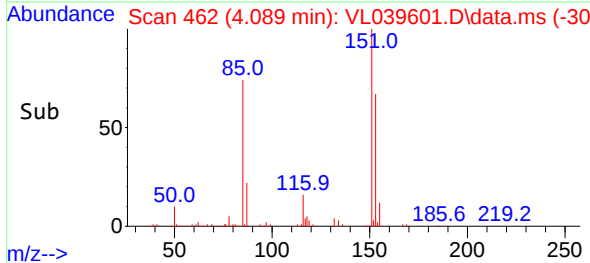
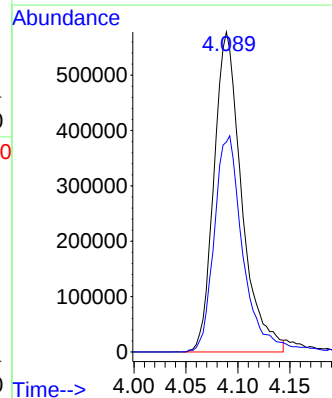
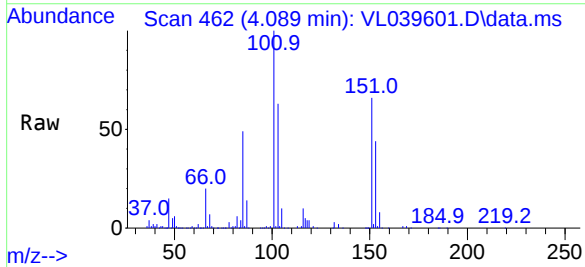
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

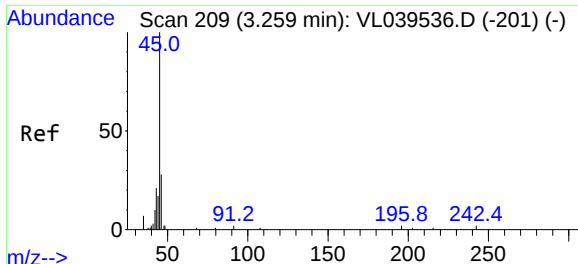
Tgt Ion:101 Resp: 1447432  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.575 ppbv  
 RT: 4.089 min Scan# 462  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion:101 Resp: 1071194  
 Ion Ratio Lower Upper  
 101 100  
 151 71.2 58.9 88.3

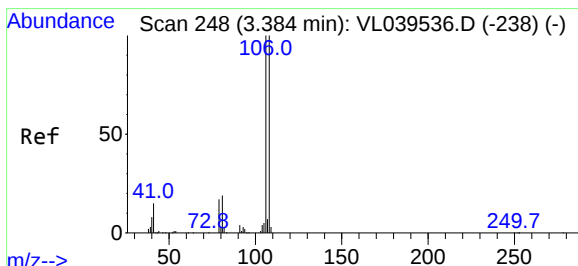
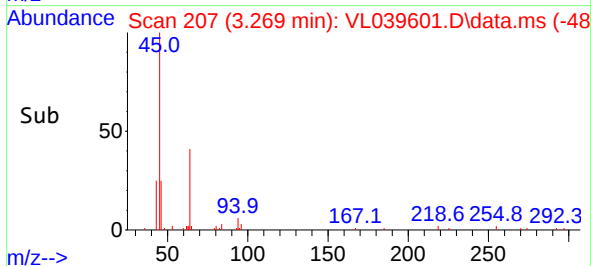
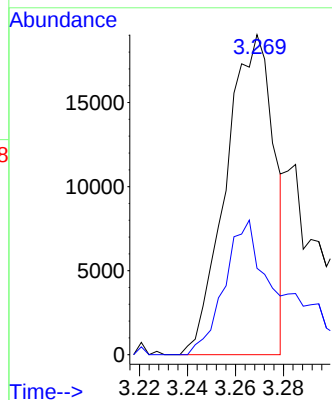
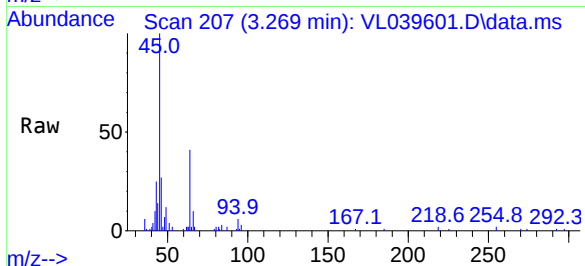




#13  
Ethanol  
Concen: 6.513 ppbv  
RT: 3.269 min Scan# 209  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

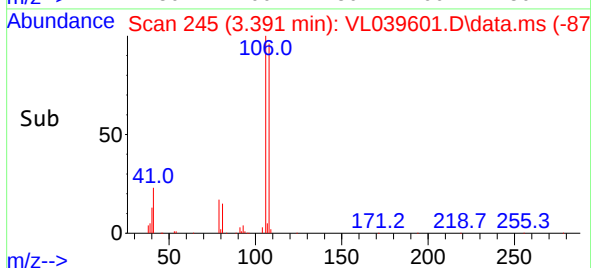
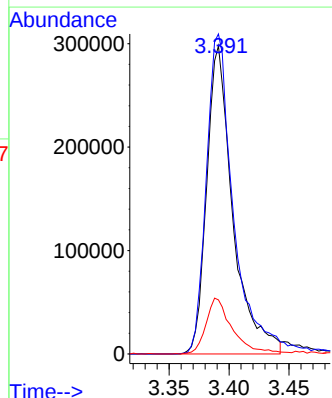
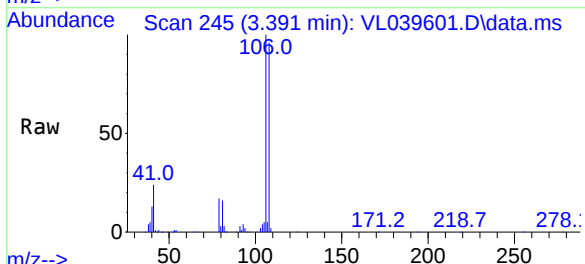
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

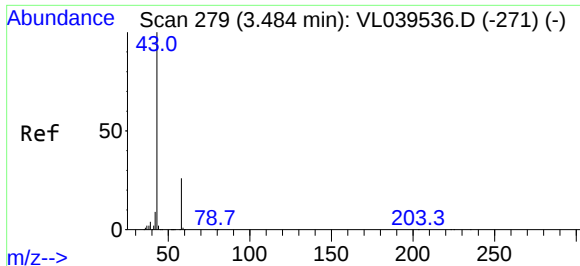
Tgt Ion: 45 Resp: 26427  
Ion Ratio Lower Upper  
45 100  
46 59.6 22.8 91.2



#14  
Bromoethene  
Concen: 9.908 ppbv  
RT: 3.391 min Scan# 245  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 108 Resp: 452882  
Ion Ratio Lower Upper  
108 100  
106 111.5 87.1 130.7  
79 19.0 14.6 22.0

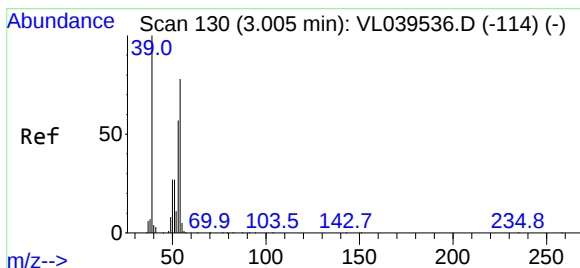
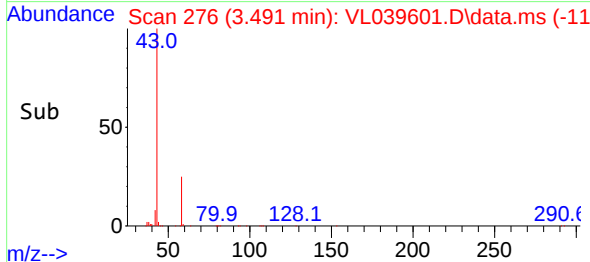
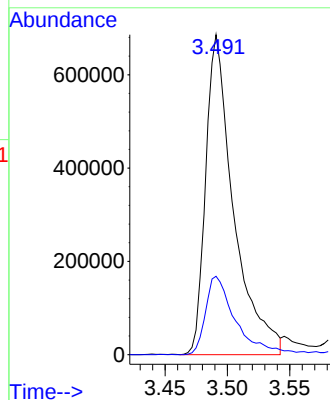
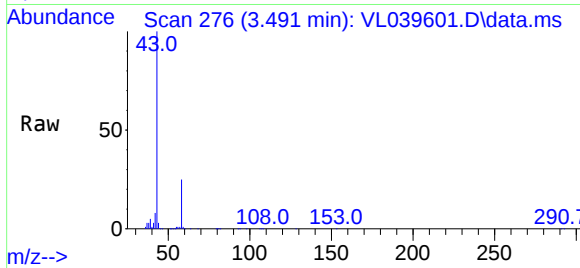




#15  
Acetone  
Concen: 9.243 ppbv  
RT: 3.491 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

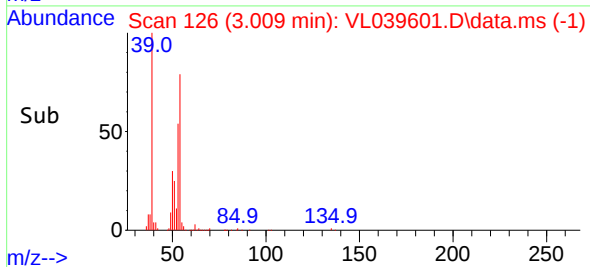
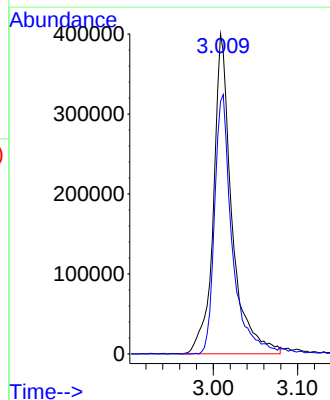
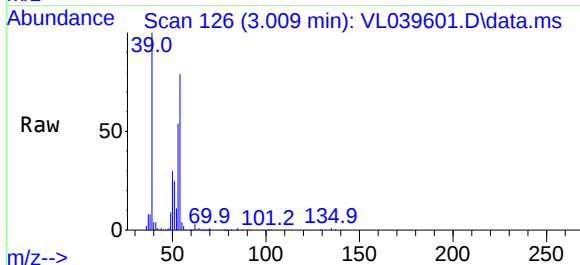
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

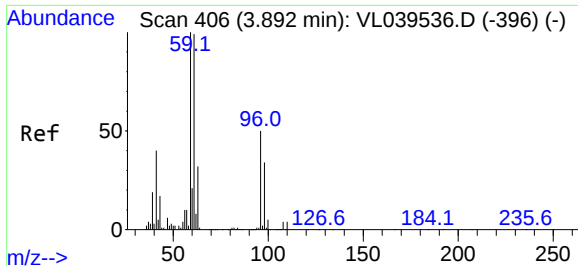
Tgt Ion: 43 Resp: 1072239  
Ion Ratio Lower Upper  
43 100  
58 26.6 21.0 31.6



#16  
1,3-Butadiene  
Concen: 10.042 ppbv  
RT: 3.009 min Scan# 126  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 39 Resp: 607872  
Ion Ratio Lower Upper  
39 100  
54 78.9 63.7 95.5





#17

tert-Butyl alcohol

Concen: 9.576 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.007 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

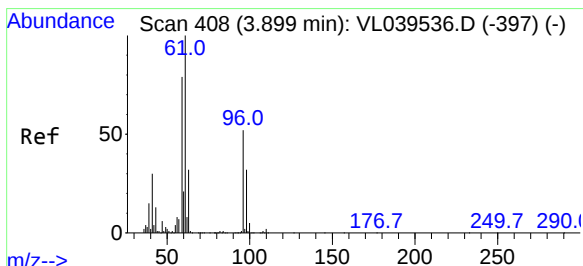
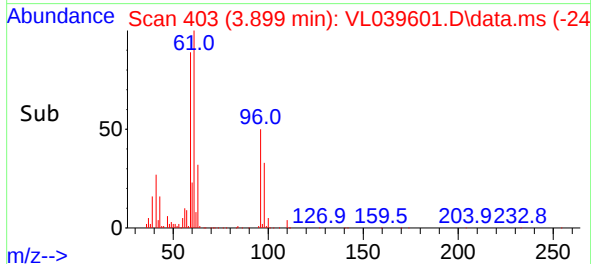
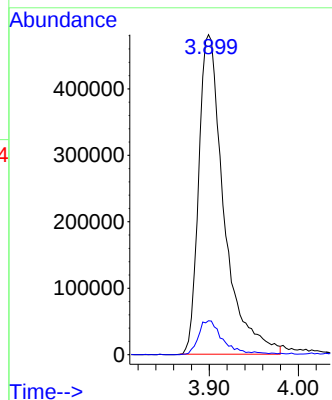
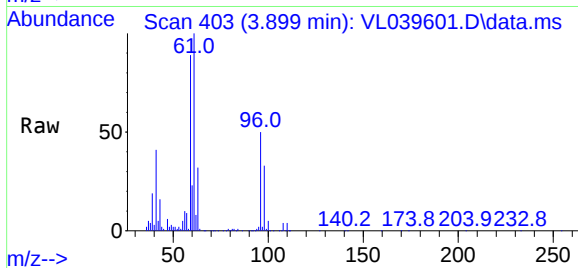
VSTDCCC010EC

Tgt Ion: 59 Resp: 948027

Ion Ratio Lower Upper

59 100

57 10.8 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.720 ppbv

RT: 3.902 min Scan# 404

Delta R.T. 0.004 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

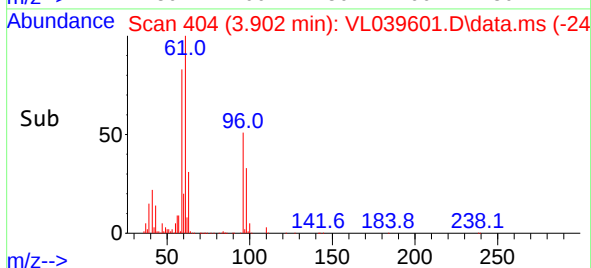
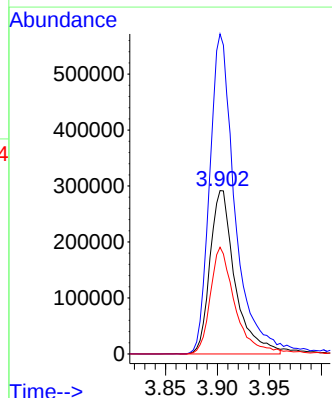
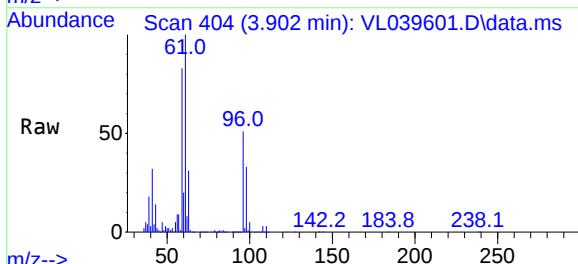
Tgt Ion: 96 Resp: 489757

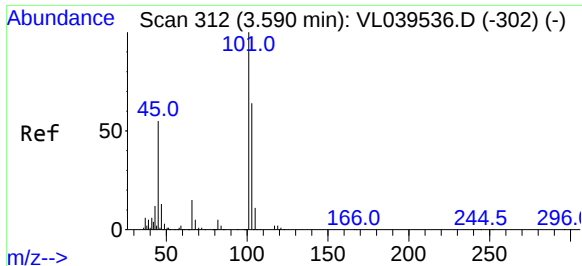
Ion Ratio Lower Upper

96 100

61 195.7 152.2 228.4

98 65.3 51.8 77.6

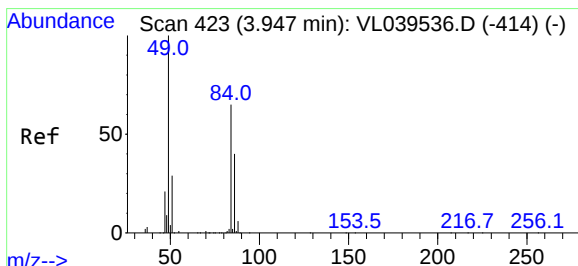
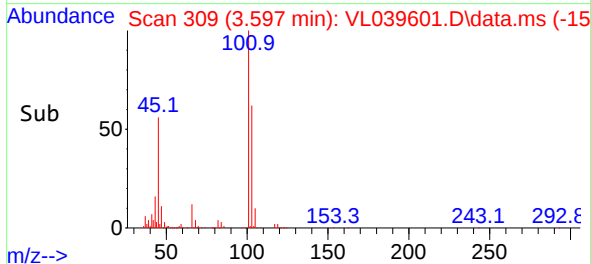
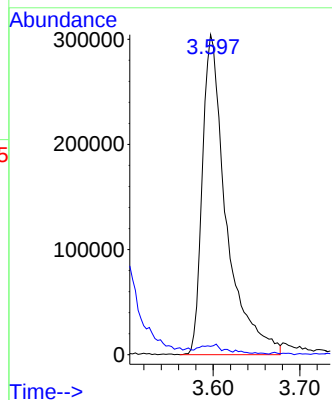
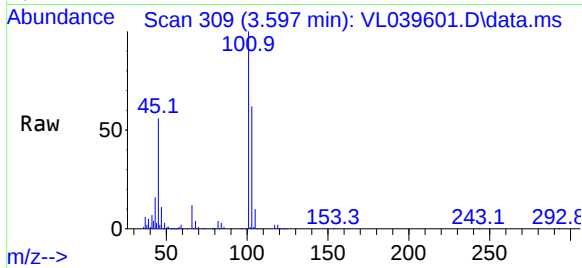




#19  
Isopropyl Alcohol  
Concen: 10.348 ppbv  
RT: 3.597 min Scan# 309  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

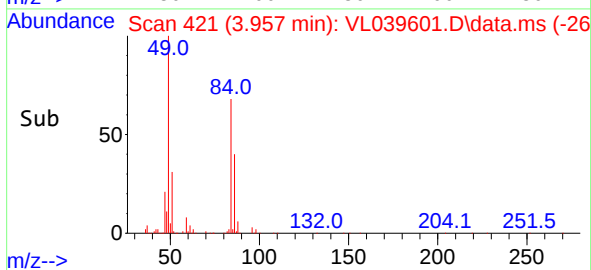
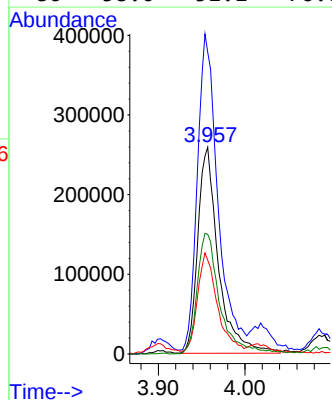
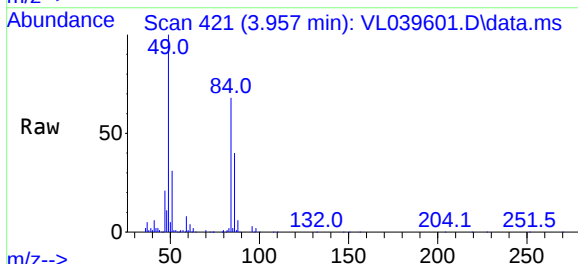
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

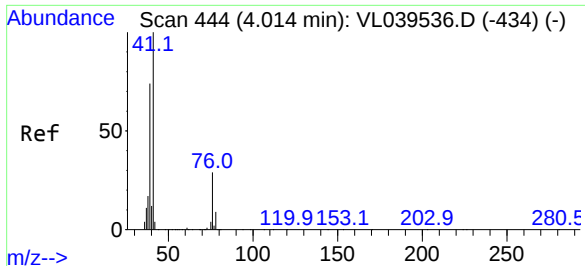
Tgt Ion: 45 Resp: 583966  
Ion Ratio Lower Upper  
45 100  
58 3.8 3.2 4.8



#20  
Methylene Chloride  
Concen: 9.070 ppbv  
RT: 3.957 min Scan# 421  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 84 Resp: 427477  
Ion Ratio Lower Upper  
84 100  
49 144.7 123.1 184.7  
51 44.2 34.4 51.6  
86 58.0 51.1 76.7

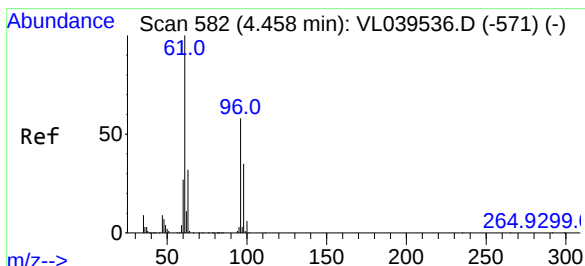
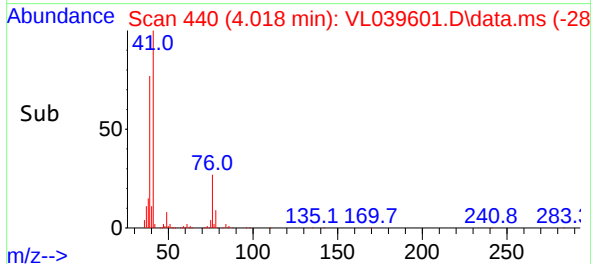
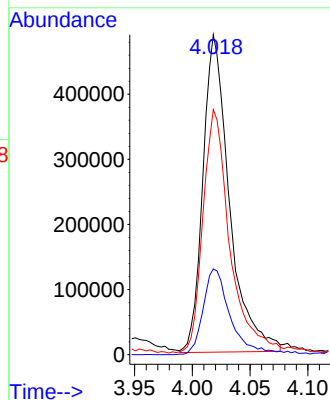
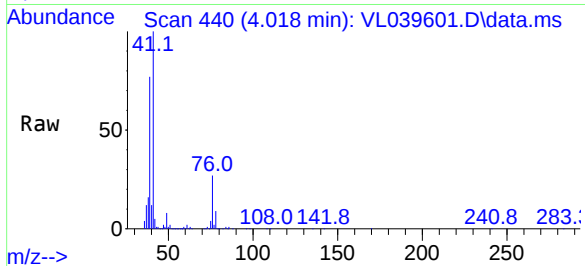




#21  
 Allyl Chloride  
 Concen: 10.338 ppbv  
 RT: 4.018 min Scan# 41  
 Delta R.T. 0.004 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

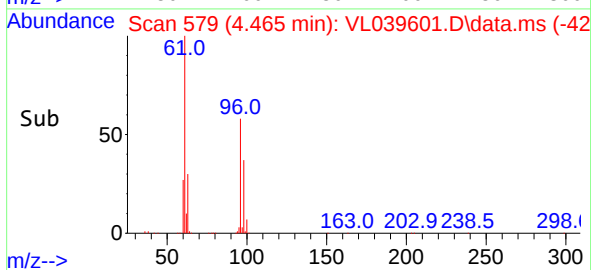
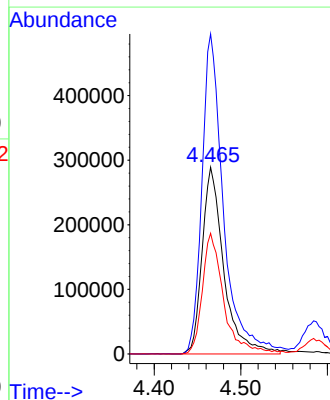
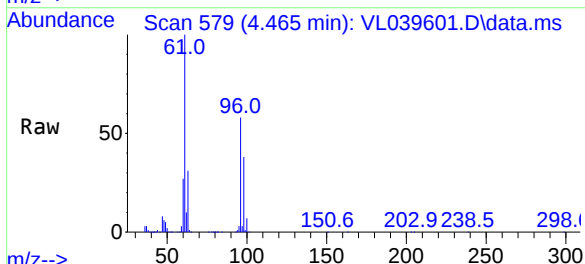
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

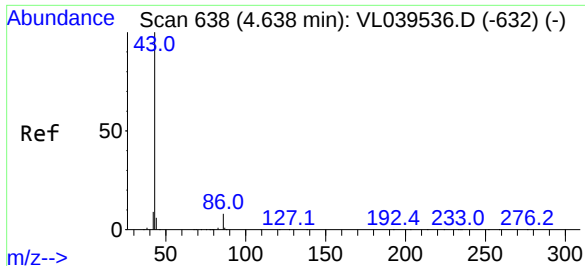
Tgt Ion: 41 Resp: 780098  
 Ion Ratio Lower Upper  
 41 100  
 76 28.0 24.4 36.6  
 39 79.4 63.5 95.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.050 ppbv  
 RT: 4.465 min Scan# 579  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 96 Resp: 503660  
 Ion Ratio Lower Upper  
 96 100  
 61 171.4 130.6 195.8  
 98 64.6 53.4 80.0



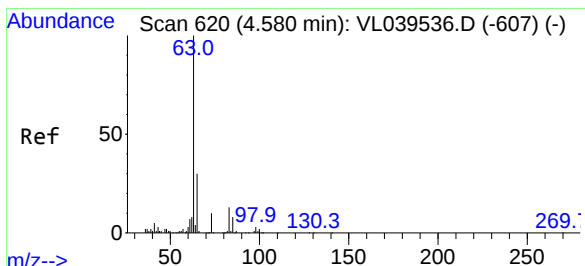
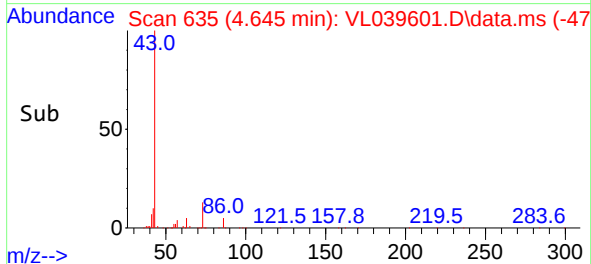
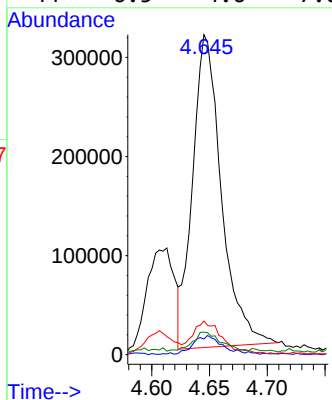
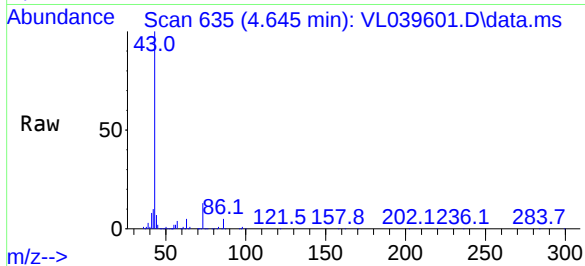


#23  
 Vinyl Acetate  
 Concen: 9.936 ppbv  
 RT: 4.645 min Scan# 616  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 43 Resp: 548073

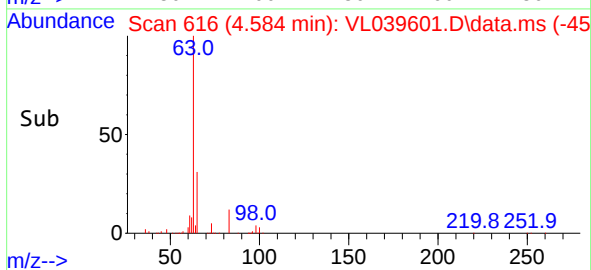
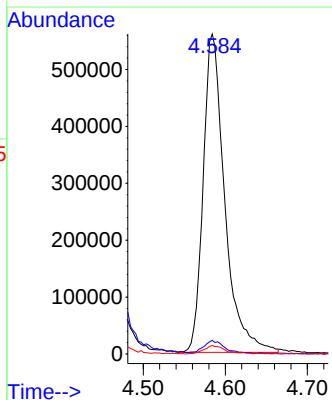
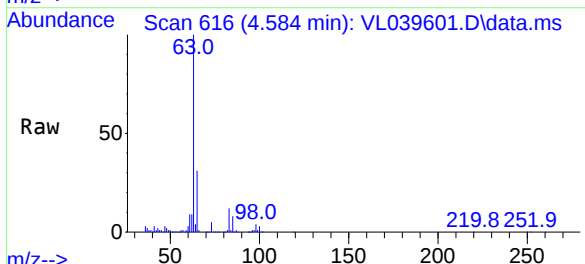
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 4.9   | 5.0   | 7.6#  |
| 42  | 10.4  | 7.7   | 11.5  |
| 44  | 6.5   | 4.6   | 7.0   |

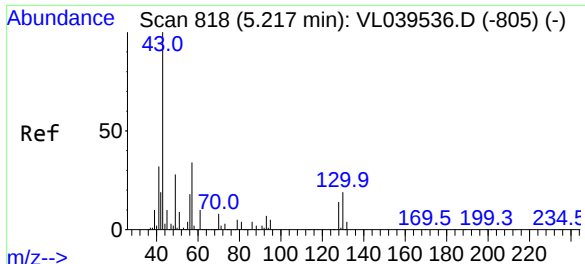


#24  
 1,1-Dichloroethane  
 Concen: 10.012 ppbv  
 RT: 4.584 min Scan# 616  
 Delta R.T. 0.004 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 63 Resp: 1022254

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.0   | 1.8   | 5.3   |
| 100 | 2.6   | 1.5   | 4.4   |



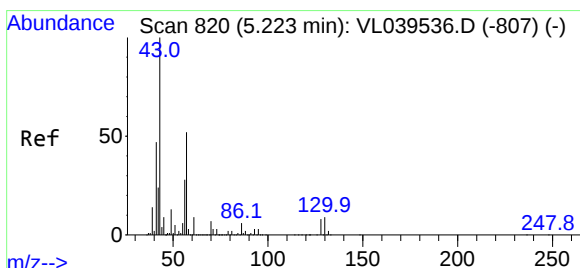
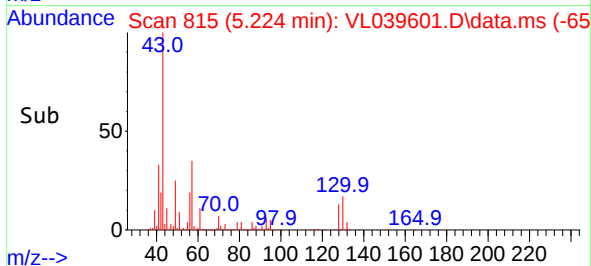
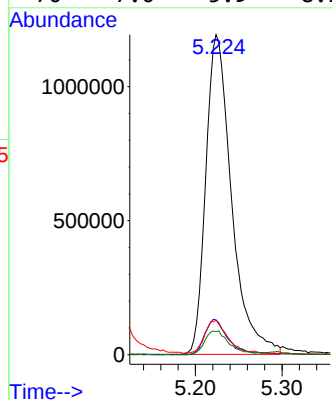
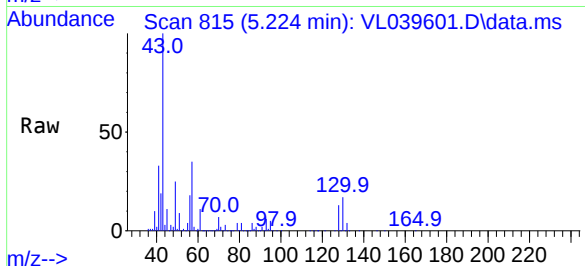


#25  
Ethyl Acetate  
Concen: 9.958 ppbv  
RT: 5.224 min Scan# 818  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 43 Resp: 2471735

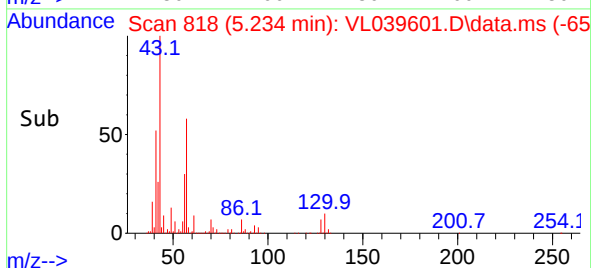
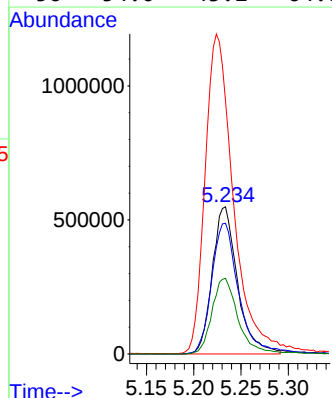
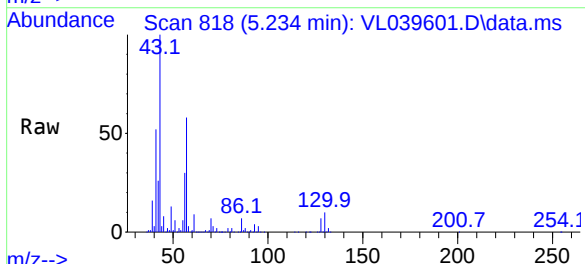
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.4  | 8.2   | 12.4  |
| 61  | 10.4  | 8.3   | 12.5  |
| 70  | 7.0   | 5.9   | 8.9   |

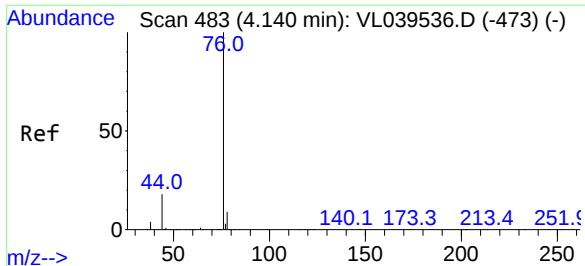


#26  
Hexane  
Concen: 10.058 ppbv  
RT: 5.234 min Scan# 818  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 57 Resp: 1019005

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 96.6  | 76.9  | 115.3 |
| 43  | 247.8 | 191.0 | 286.6 |
| 56  | 54.0  | 43.2  | 64.8  |





#27

Carbon Disulfide

Concen: 10.748 ppbv

RT: 4.144 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

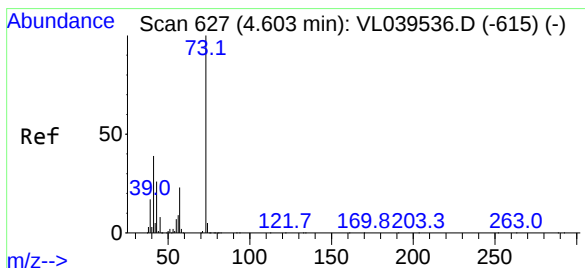
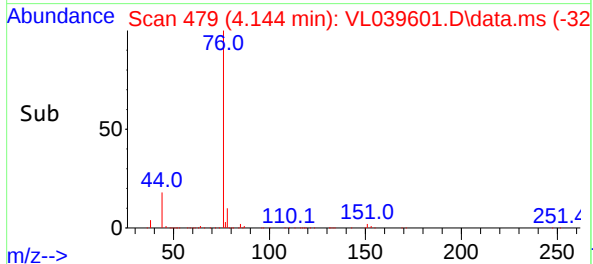
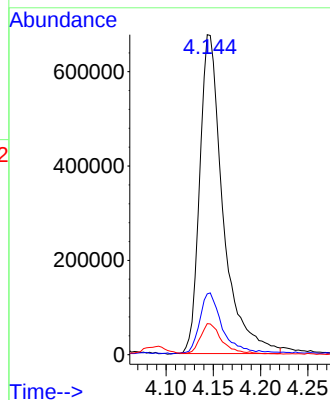
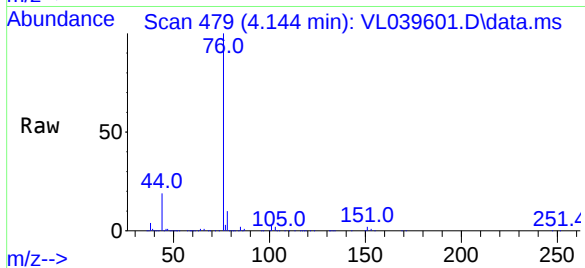
MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1163223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 19.8  | 14.6  | 21.8  |
| 78  | 9.7   | 7.8   | 11.6  |



#28

Methyl tert-Butyl Ether

Concen: 9.186 ppbv

RT: 4.610 min Scan# 624

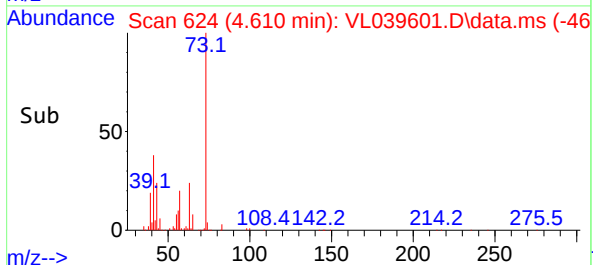
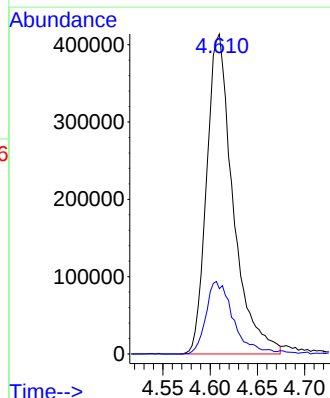
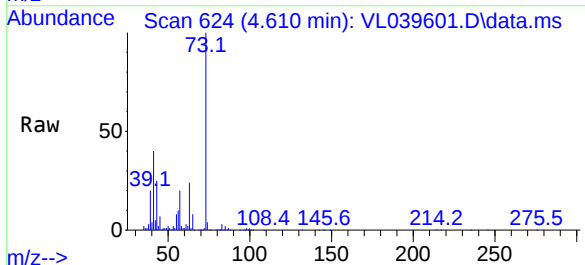
Delta R.T. 0.007 min

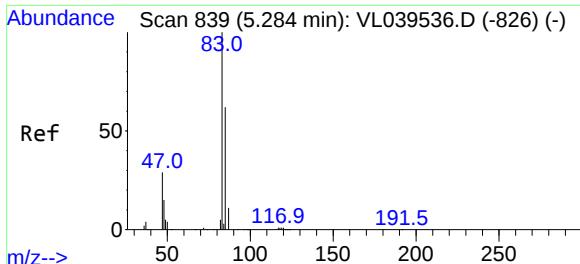
Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Tgt Ion: 73 Resp: 802794

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 23.9  | 19.8  | 29.8  |





#29

Chloroform

Concen: 9.828 ppbv

RT: 5.291 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

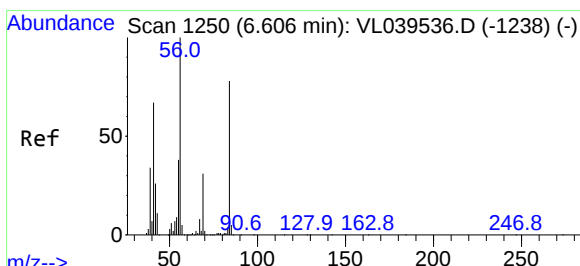
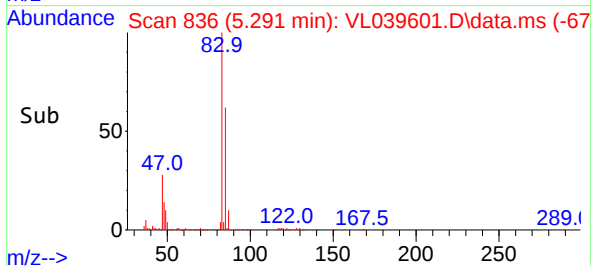
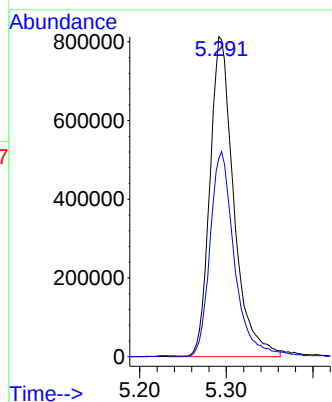
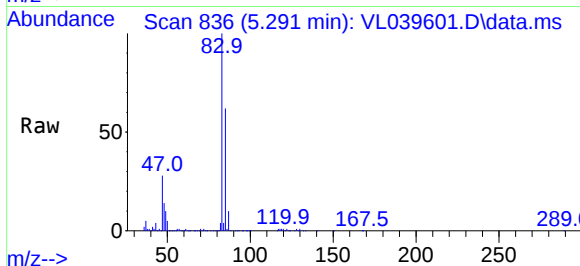
VSTDCCC010EC

Tgt Ion: 83 Resp: 1557194

Ion Ratio Lower Upper

83 100

85 61.9 52.8 79.2



#30

Cyclohexane

Concen: 9.921 ppbv

RT: 6.619 min Scan# 1249

Delta R.T. 0.013 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

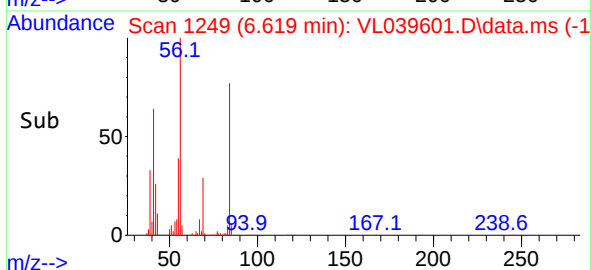
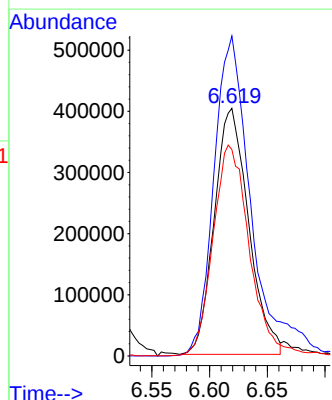
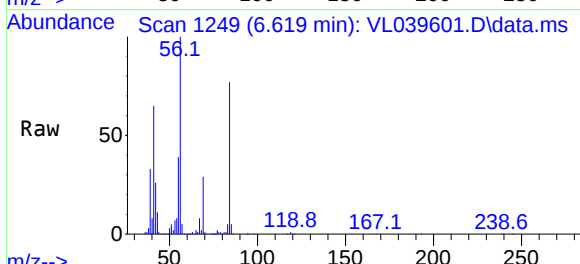
Tgt Ion: 84 Resp: 832305

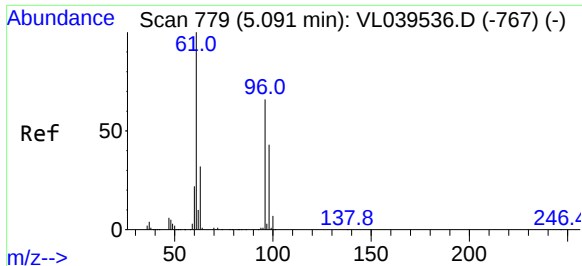
Ion Ratio Lower Upper

84 100

56 142.8 107.7 161.5

41 91.1 67.7 101.5



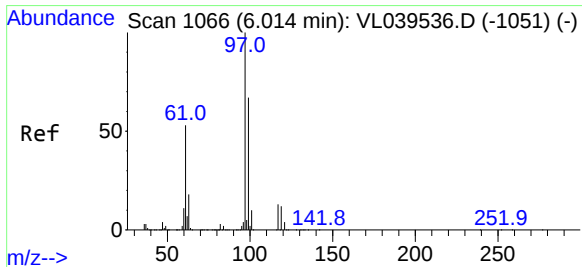
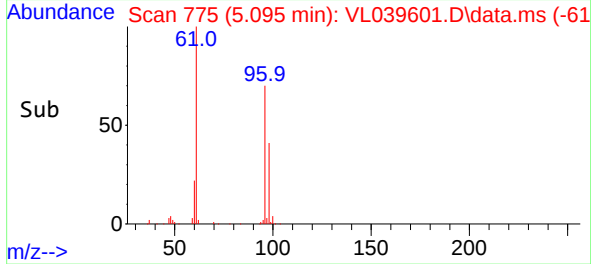
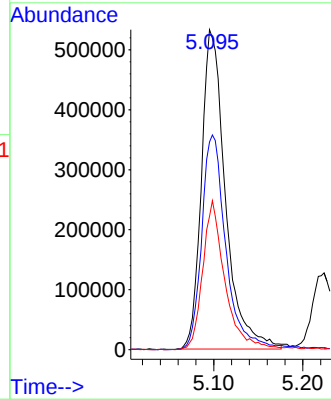
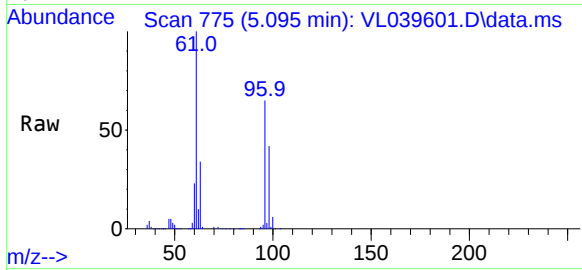


#31  
 cis-1,2-Dichloroethene  
 Concen: 10.173 ppbv  
 RT: 5.095 min Scan# 71  
 Delta R.T. 0.004 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion: 61 Resp: 998212

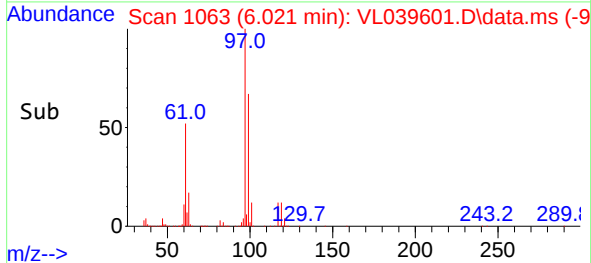
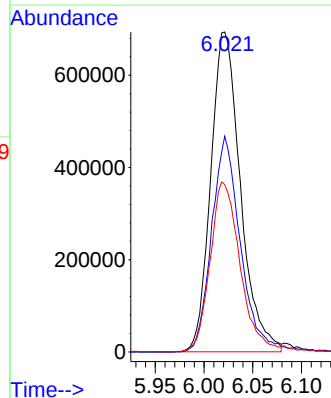
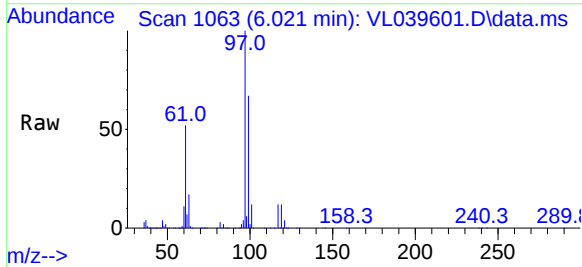
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 64.9  | 54.1  | 81.1  |
| 98  | 41.6  | 34.6  | 52.0  |

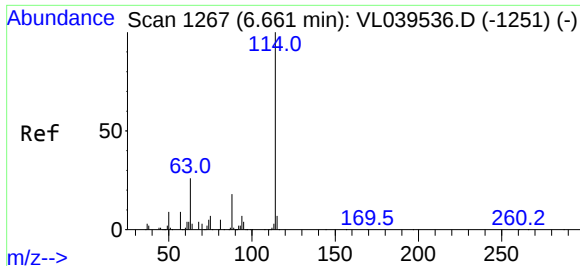


#32  
 1,1,1-Trichloroethane  
 Concen: 10.534 ppbv  
 RT: 6.021 min Scan# 1063  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 97 Resp: 1468287

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 66.2  | 52.3  | 78.5  |
| 61  | 54.7  | 40.9  | 61.3  |

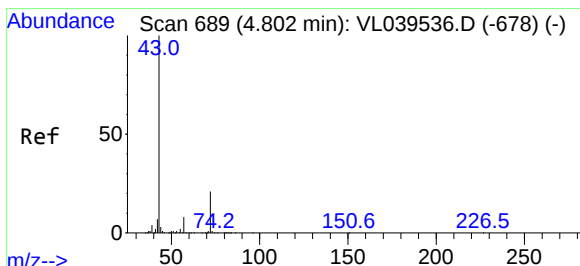
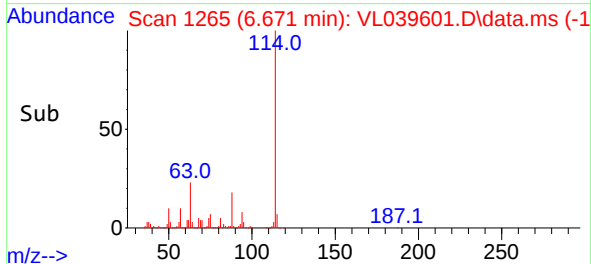
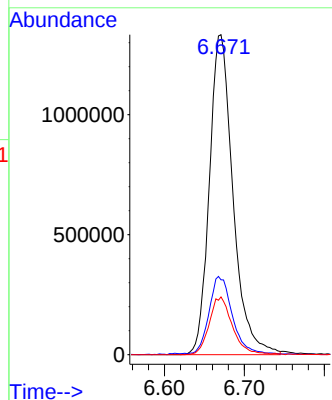
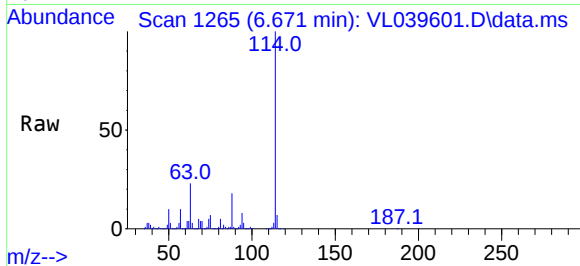




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.671 min Scan# 114  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

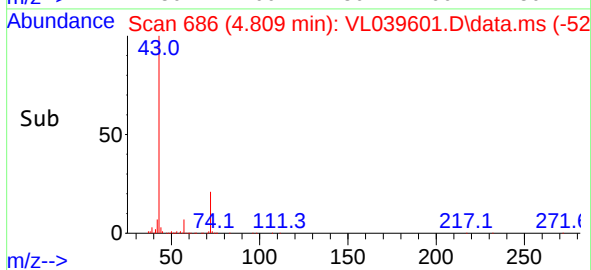
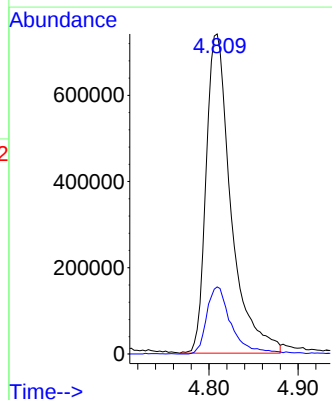
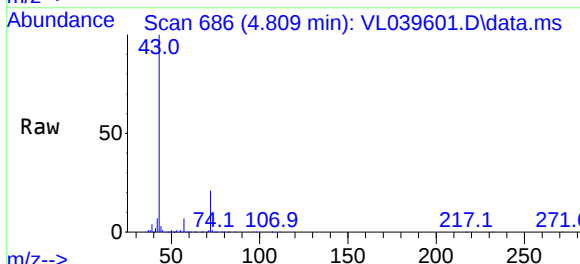
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

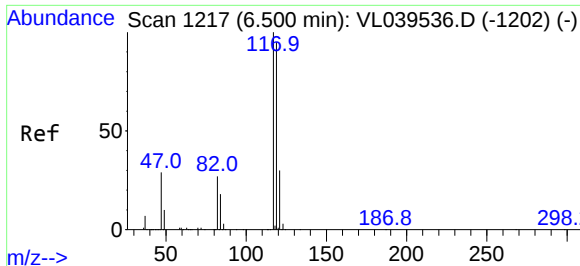
Tgt Ion:114 Resp: 2739023  
Ion Ratio Lower Upper  
114 100  
63 24.8 20.2 30.4  
88 17.9 14.5 21.7



#34  
2-Butanone  
Concen: 10.548 ppbv  
RT: 4.809 min Scan# 686  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 43 Resp: 1436340  
Ion Ratio Lower Upper  
43 100  
72 21.2 17.9 26.9



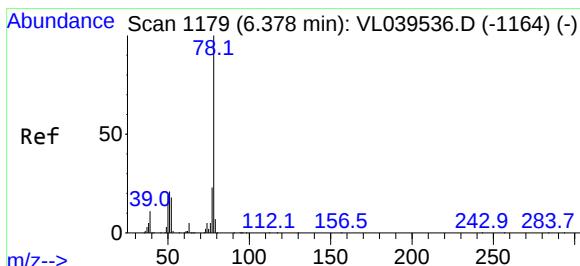
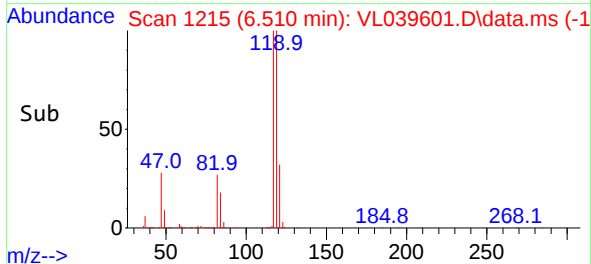
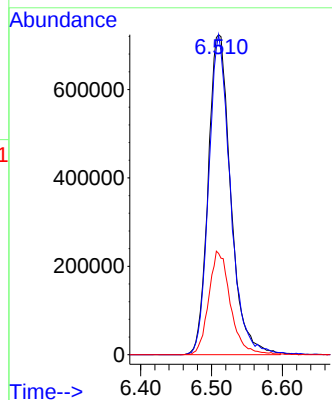
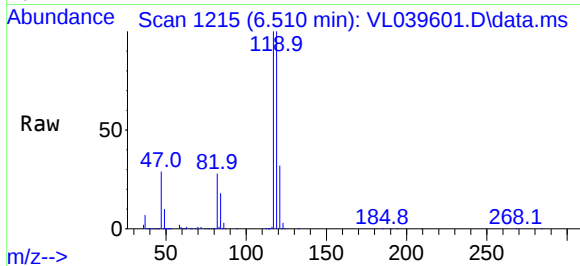


#35  
Carbon Tetrachloride  
Concen: 10.783 ppbv  
RT: 6.510 min Scan# 1177  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion:117 Resp: 1596459

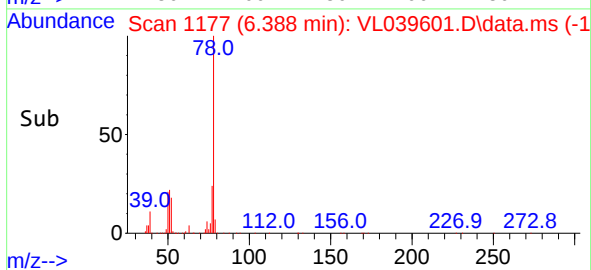
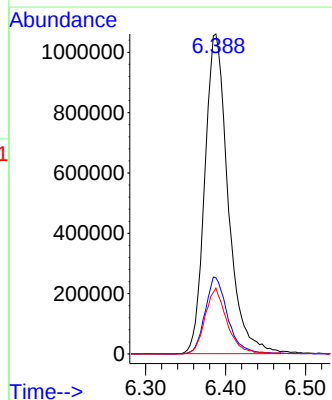
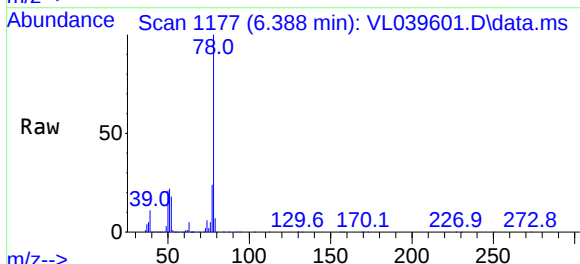
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 100.0 | 75.4  | 113.2 |
| 121 | 31.6  | 24.2  | 36.2  |

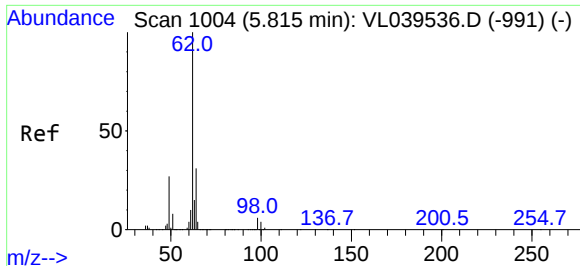


#36  
Benzene  
Concen: 10.313 ppbv  
RT: 6.388 min Scan# 1177  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 78 Resp: 2153322

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 23.8  | 20.3  | 30.5  |
| 50  | 20.5  | 15.5  | 23.3  |

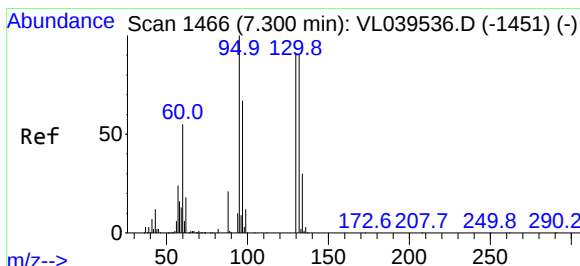
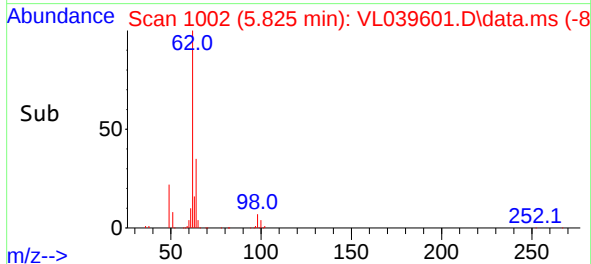
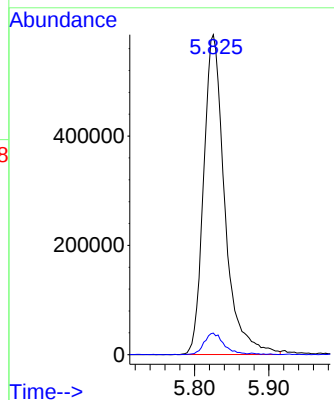
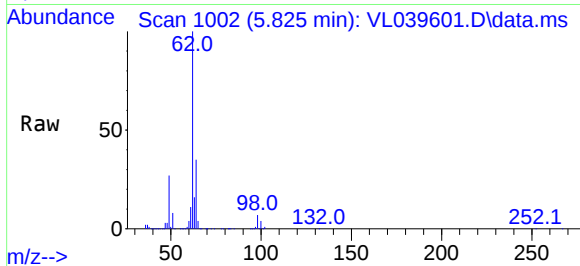




#37  
1,2-Dichloroethane  
Concen: 10.049 ppbv  
RT: 5.825 min Scan# 10  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

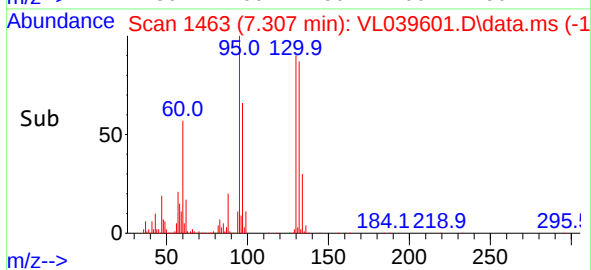
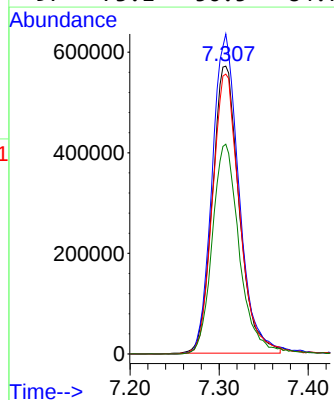
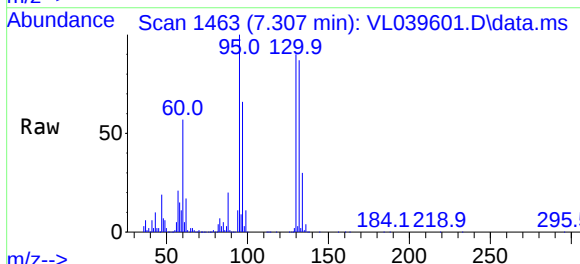
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

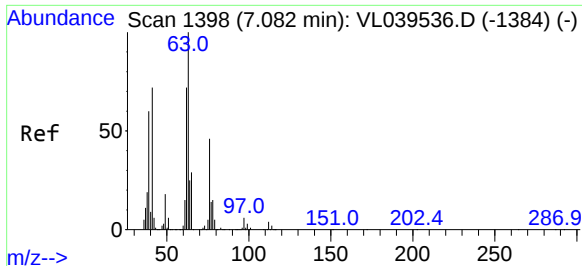
Tgt Ion: 62 Resp: 1155780  
Ion Ratio Lower Upper  
62 100  
98 6.7 5.1 7.7



#38  
Trichloroethene  
Concen: 10.707 ppbv  
RT: 7.307 min Scan# 1463  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:130 Resp: 1197791  
Ion Ratio Lower Upper  
130 100  
95 111.3 87.3 130.9  
132 97.3 76.7 115.1  
97 73.1 56.5 84.7

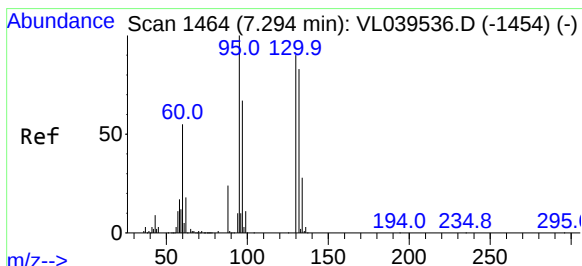
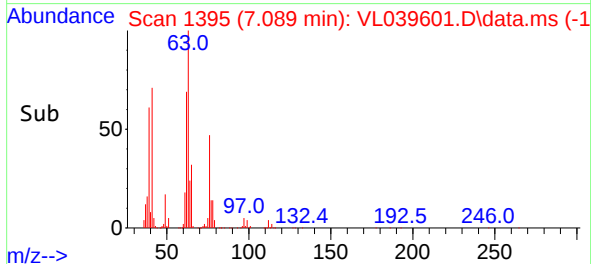
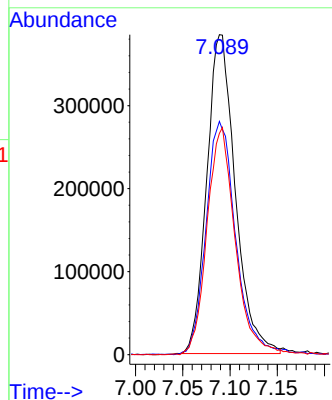
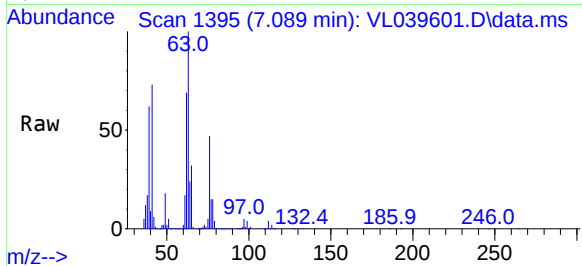




#39  
1,2-Dichloropropane  
Concen: 10.281 ppbv  
RT: 7.089 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

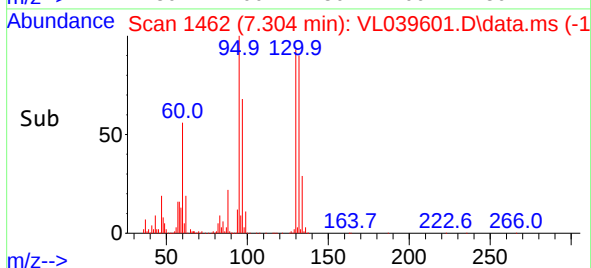
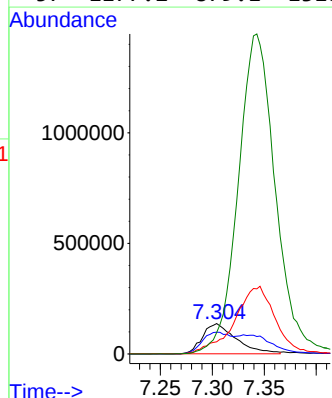
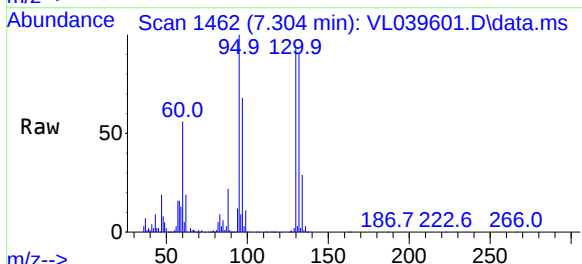
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

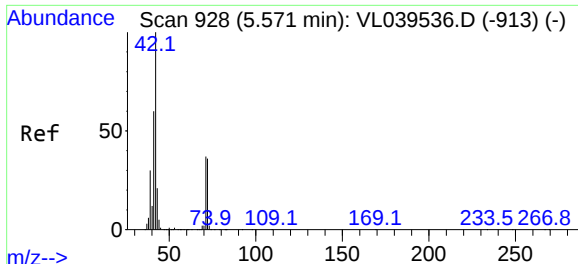
Tgt Ion: 63 Resp: 807059  
Ion Ratio Lower Upper  
63 100  
41 72.7 59.6 89.4  
62 69.4 51.4 77.0



#40  
1,4-Dioxane  
Concen: 10.008 ppbv  
RT: 7.304 min Scan# 1462  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 88 Resp: 307571  
Ion Ratio Lower Upper  
88 100  
58 129.8 100.2 150.4  
43 272.8 205.8 308.6  
57 1177.2 879.1 1318.7

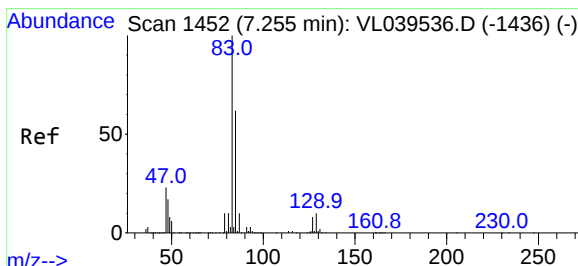
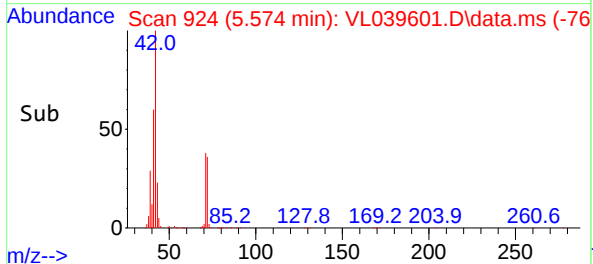
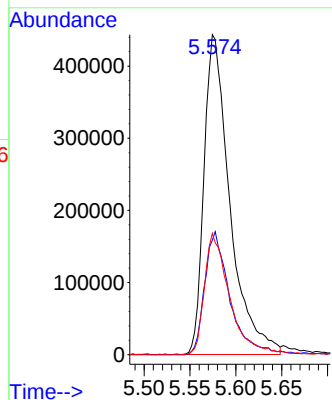
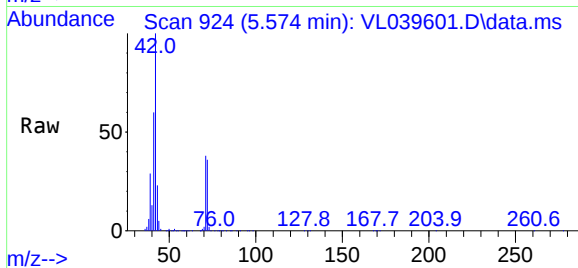




#41  
Tetrahydrofuran  
Concen: 10.712 ppbv  
RT: 5.574 min Scan# 91  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

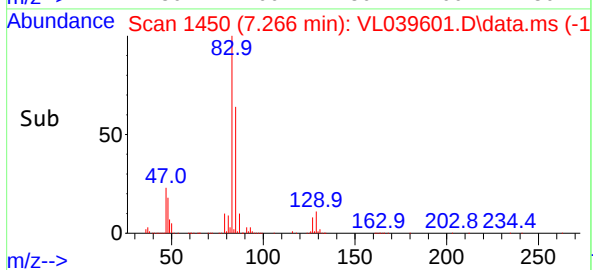
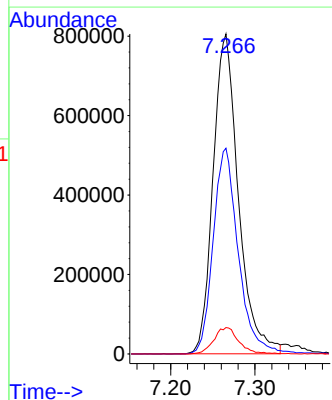
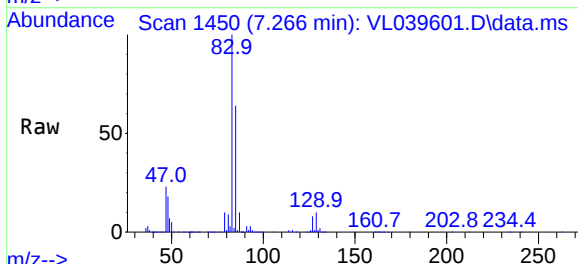
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

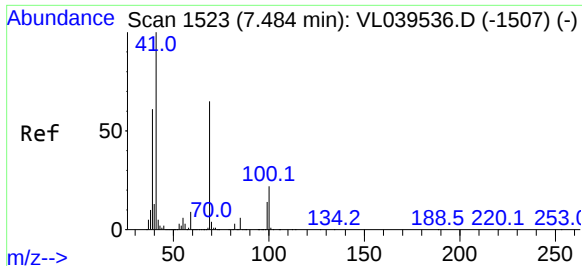
Tgt Ion: 42 Resp: 871348  
Ion Ratio Lower Upper  
42 100  
72 38.1 31.8 47.8  
71 37.4 31.8 47.8



#42  
Bromodichloromethane  
Concen: 10.671 ppbv  
RT: 7.266 min Scan# 1450  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 83 Resp: 1679432  
Ion Ratio Lower Upper  
83 100  
85 64.3 50.7 76.1  
127 8.3 6.6 9.8





#43

Methyl Methacrylate

Concen: 11.203 ppbv

RT: 7.491 min Scan# 1

Delta R.T. 0.007 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

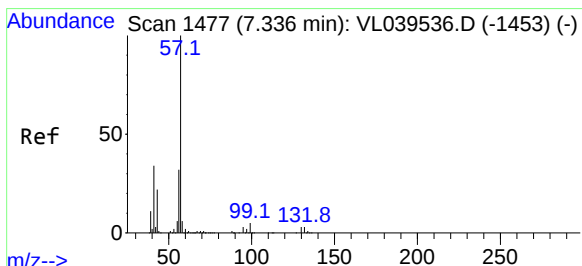
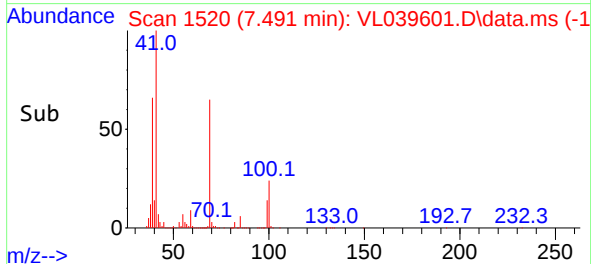
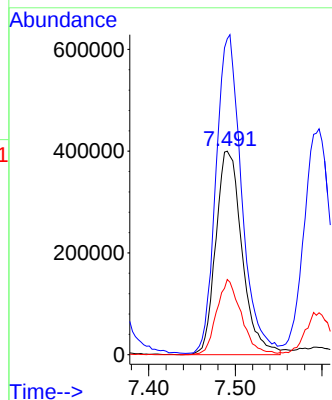
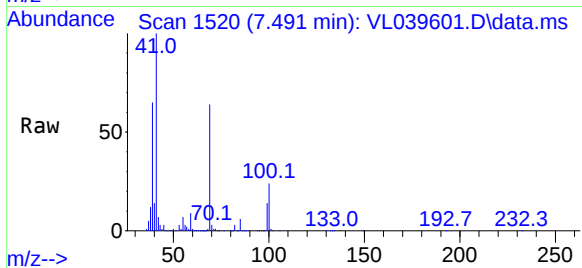
Tgt Ion: 69 Resp: 843452

Ion Ratio Lower Upper

69 100

41 154.1 120.8 181.2

100 35.0 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 10.276 ppbv

RT: 7.343 min Scan# 1474

Delta R.T. 0.007 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

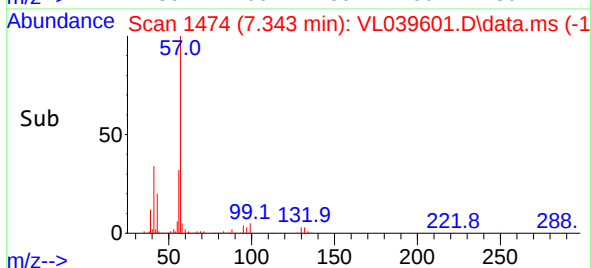
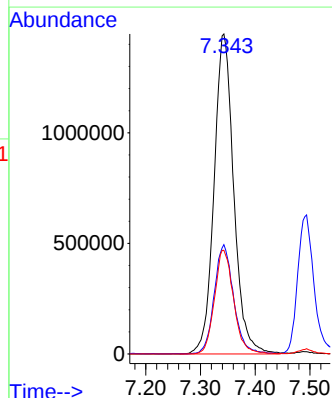
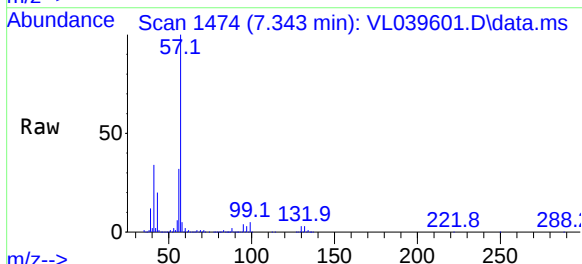
Tgt Ion: 57 Resp: 3616712

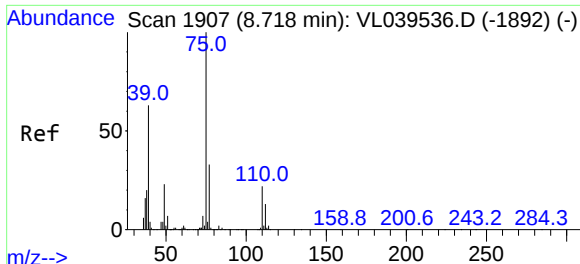
Ion Ratio Lower Upper

57 100

41 33.6 27.4 41.2

56 31.6 24.5 36.7

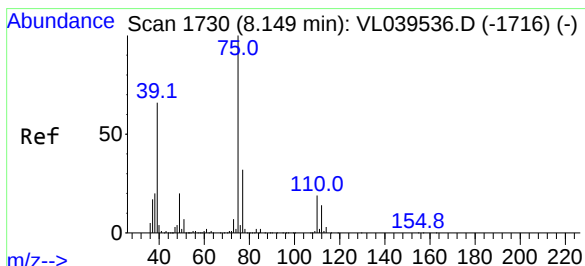
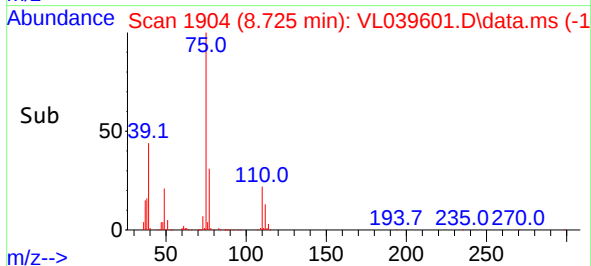
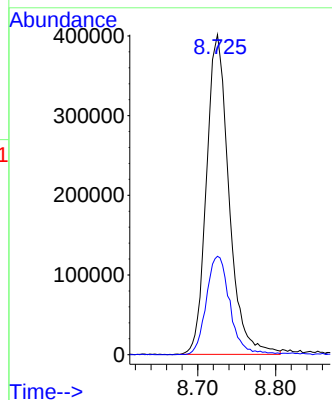
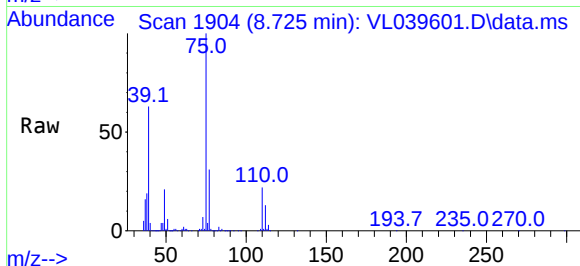




#45  
t-1,3-Dichloropropene  
Concen: 12.287 ppbv  
RT: 8.725 min Scan# 1907  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

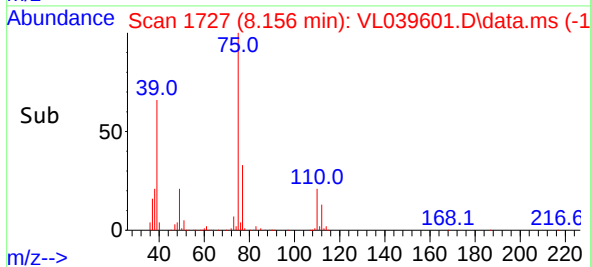
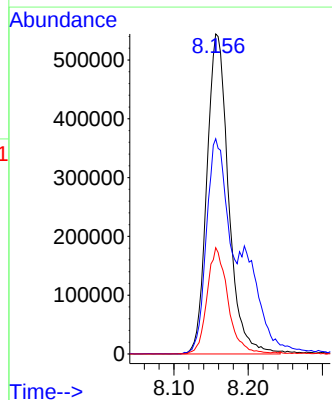
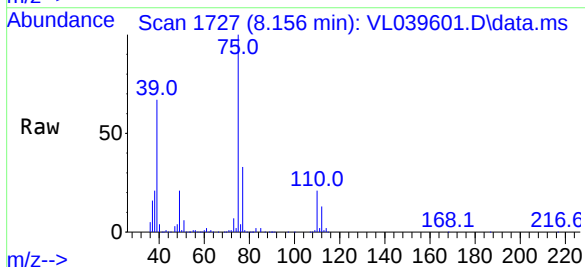
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

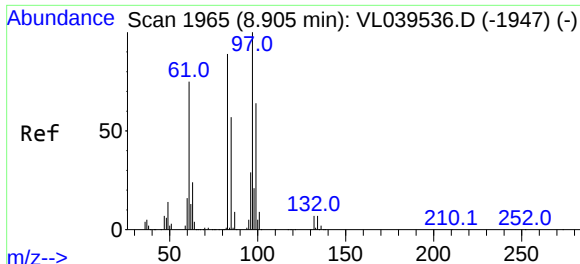
Tgt Ion: 75 Resp: 805633  
Ion Ratio Lower Upper  
75 100  
77 30.8 24.6 36.8



#46  
cis-1,3-Dichloropropene  
Concen: 12.135 ppbv  
RT: 8.156 min Scan# 1727  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 75 Resp: 1102100  
Ion Ratio Lower Upper  
75 100  
39 67.2 55.0 82.4  
77 33.1 25.7 38.5



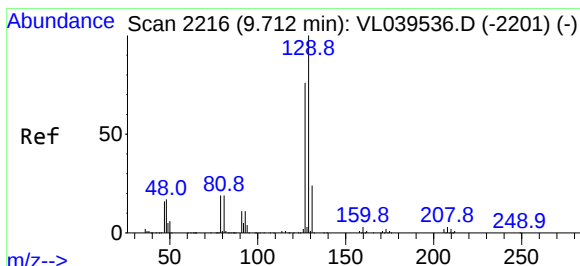
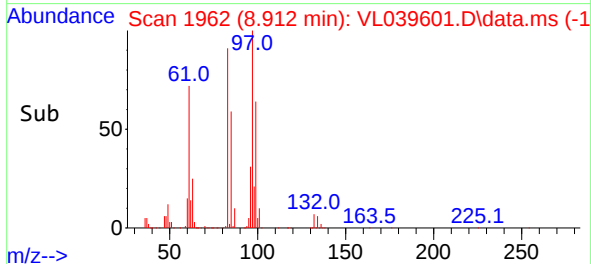
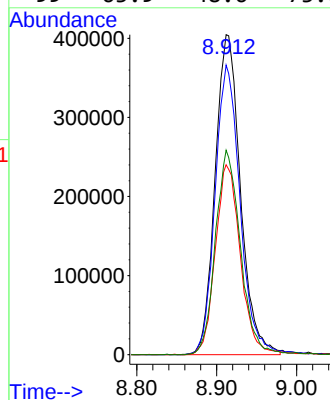
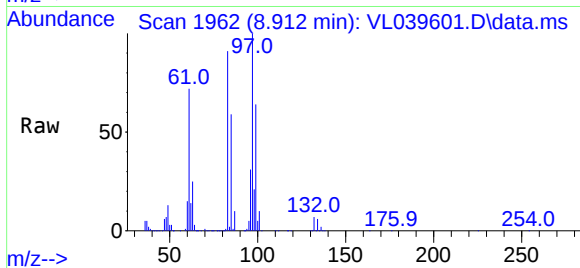


#47  
1,1,2-Trichloroethane  
Concen: 9.915 ppbv  
RT: 8.912 min Scan# 1965  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 97 Resp: 888913

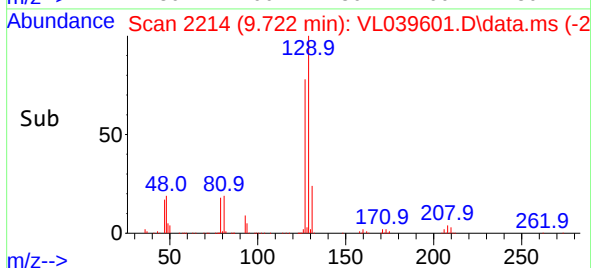
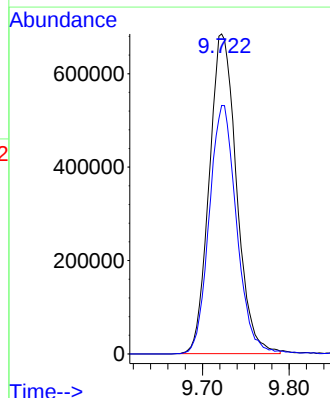
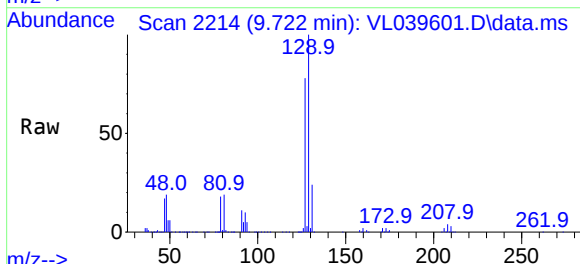
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 90.5  | 67.4  | 101.0 |
| 85  | 59.3  | 45.1  | 67.7  |
| 99  | 63.9  | 48.6  | 73.0  |

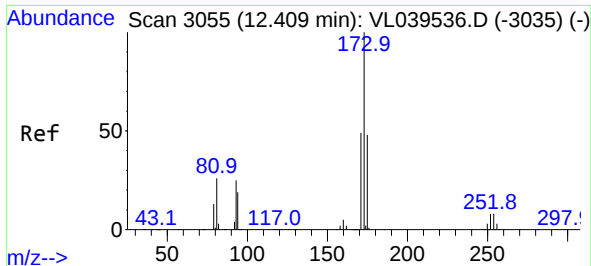


#48  
Dibromochloromethane  
Concen: 11.333 ppbv  
RT: 9.722 min Scan# 2214  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 129 Resp: 1497605

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.4  | 39.3  | 117.9 |

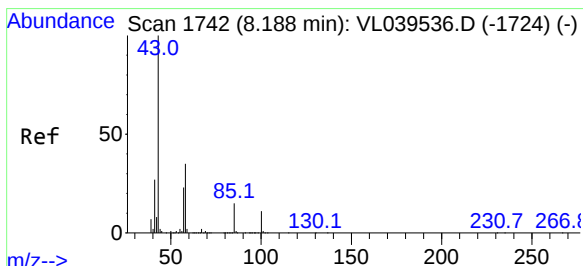
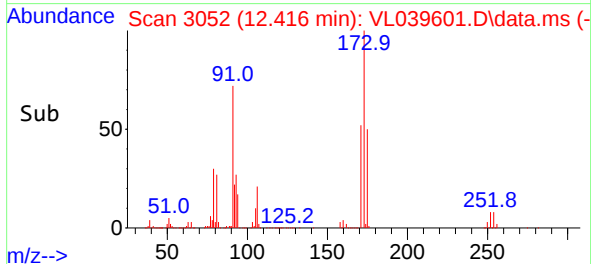
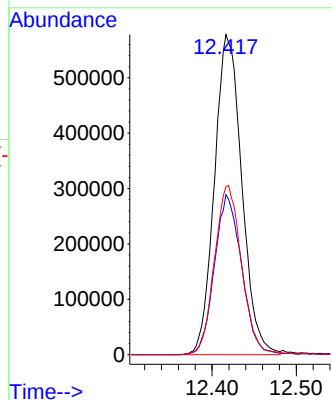
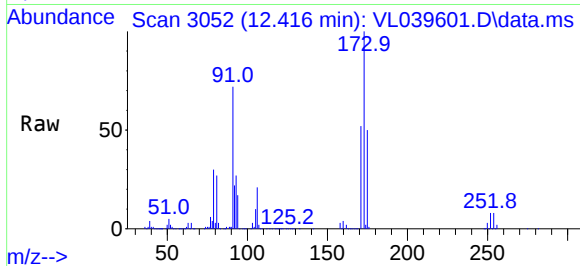




#49  
Bromoform  
Concen: 11.878 ppbv  
RT: 12.416 min Scan# 3052  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

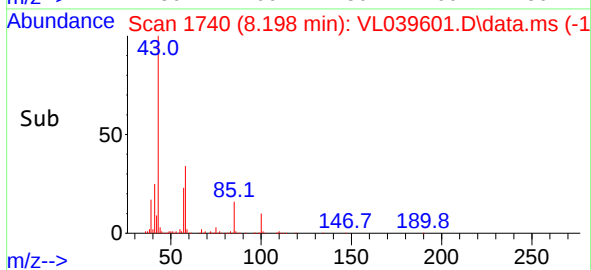
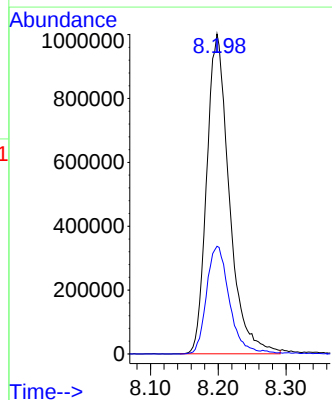
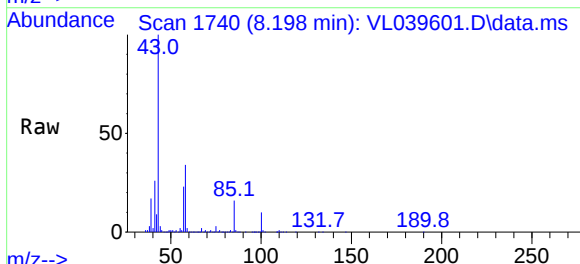
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

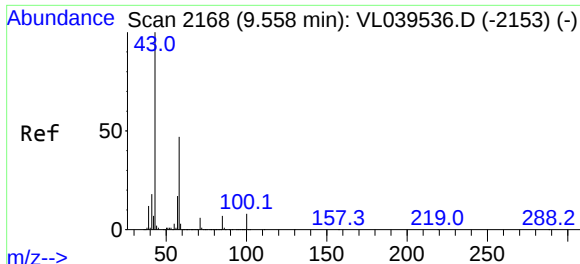
Tgt Ion:173 Resp: 1300215  
Ion Ratio Lower Upper  
173 100  
175 50.0 40.3 60.5  
171 52.4 42.9 64.3



#50  
4-Methyl-2-Pentanone  
Concen: 10.937 ppbv  
RT: 8.198 min Scan# 1740  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 43 Resp: 2320243  
Ion Ratio Lower Upper  
43 100  
58 34.6 28.8 43.2



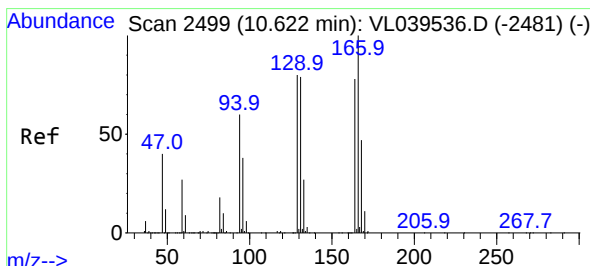
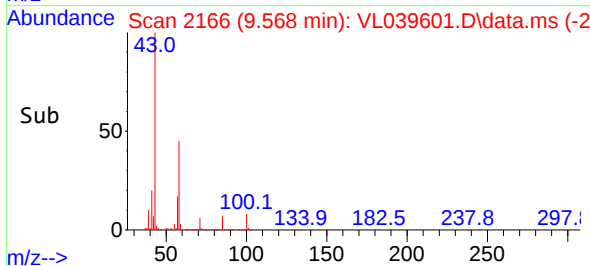
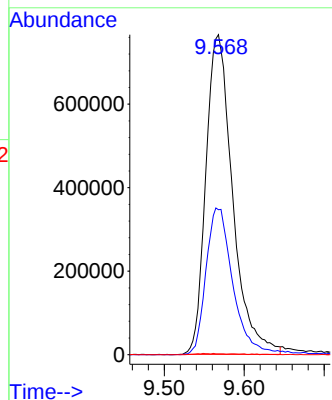
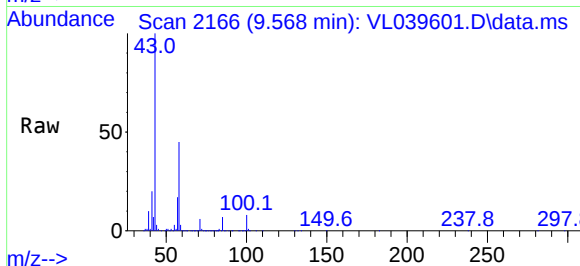


#51  
2-Hexanone  
Concen: 11.422 ppbv  
RT: 9.568 min Scan# 2168  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 43 Resp: 1783341

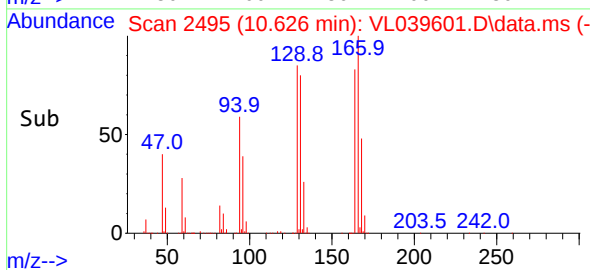
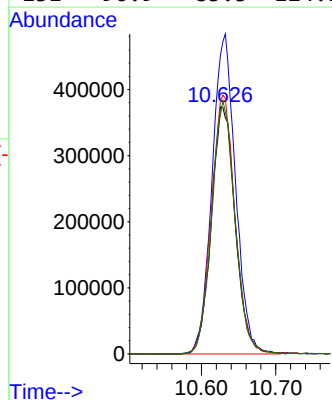
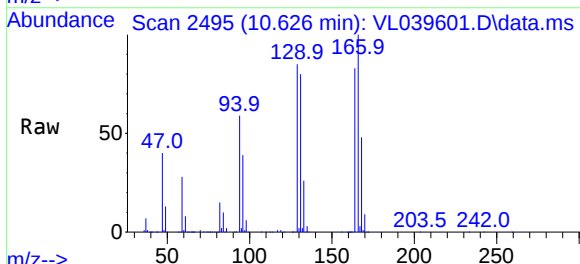
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 46.9  | 38.4  | 57.6  |
| 98  | 0.4   | 0.3   | 0.5   |

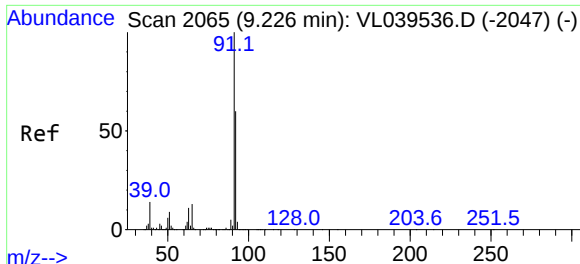


#52  
Tetrachloroethene  
Concen: 10.570 ppbv  
RT: 10.626 min Scan# 2495  
Delta R.T. 0.004 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 164 Resp: 834958

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 121.1 | 102.2 | 153.2 |
| 129 | 102.5 | 85.8  | 128.8 |
| 131 | 96.9  | 83.3  | 124.9 |

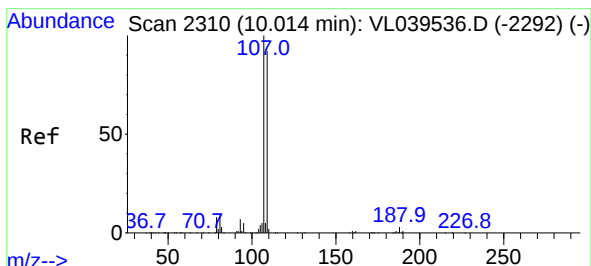
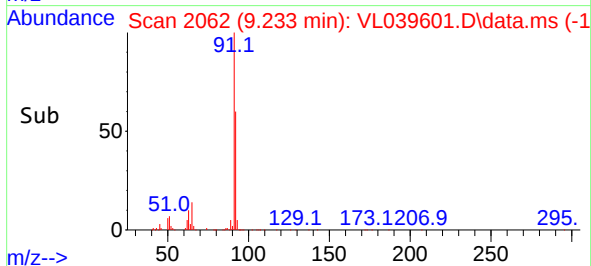
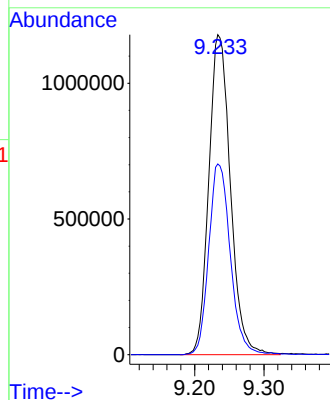
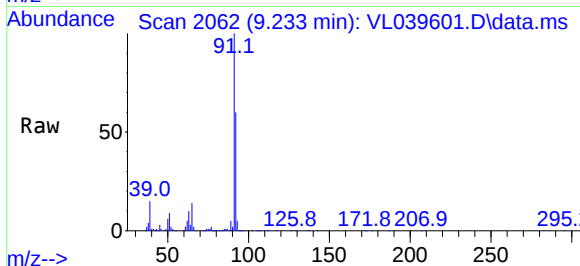




#53  
Toluene  
Concen: 10.914 ppbv  
RT: 9.233 min Scan# 2065  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

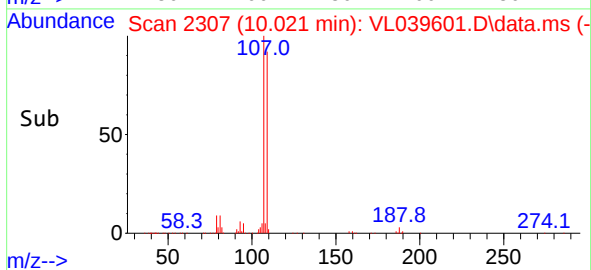
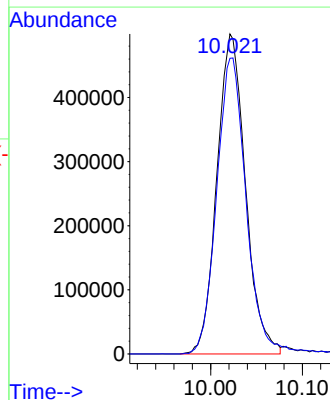
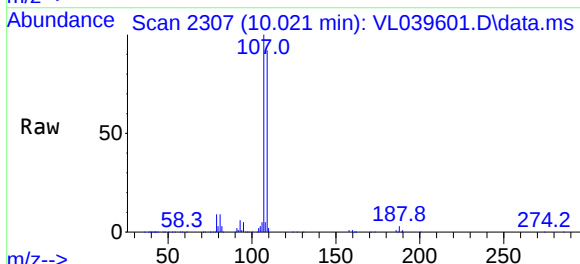
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

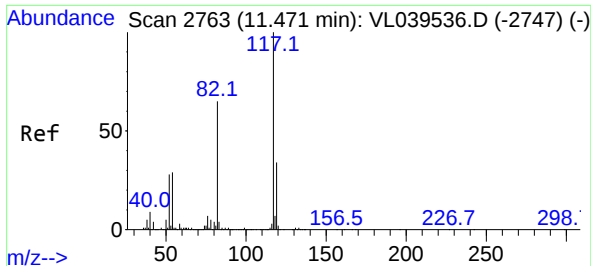
Tgt Ion: 91 Resp: 2550334  
Ion Ratio Lower Upper  
91 100  
92 59.8 48.2 72.2



#54  
1,2-Dibromoethane  
Concen: 10.745 ppbv  
RT: 10.021 min Scan# 2307  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 107 Resp: 1077414  
Ion Ratio Lower Upper  
107 100  
109 92.4 74.8 112.2

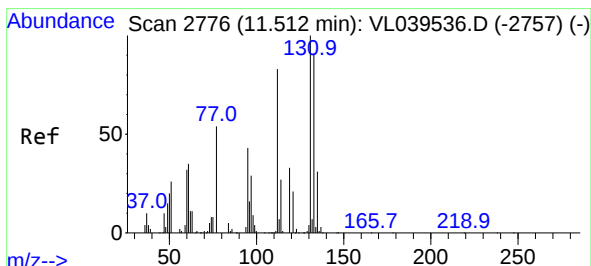
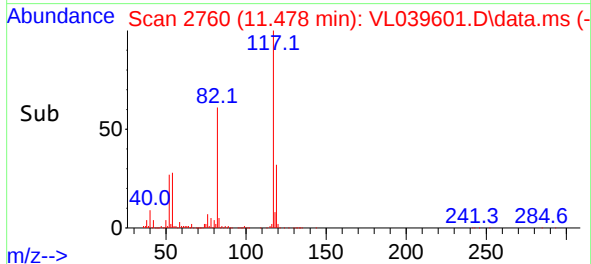
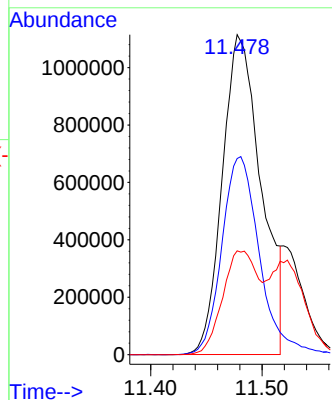
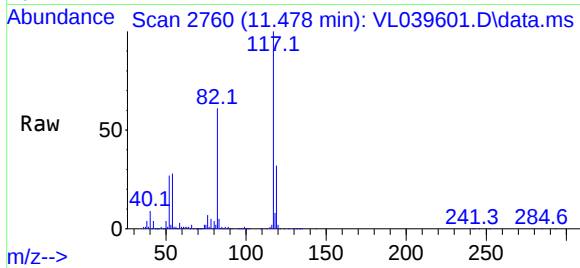




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.478 min Scan# 21  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

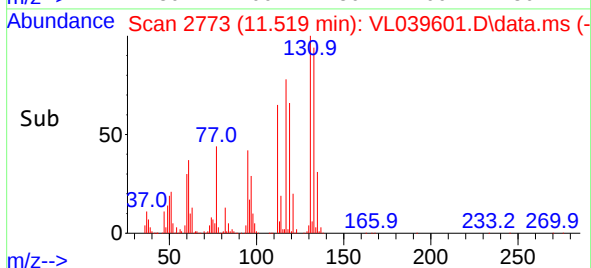
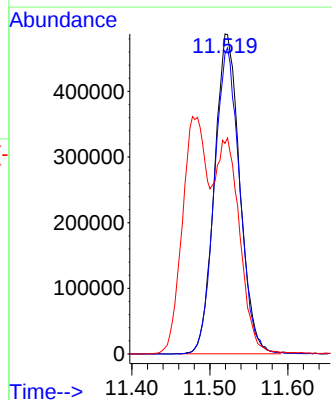
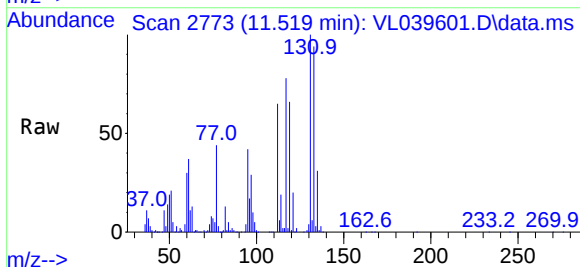
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

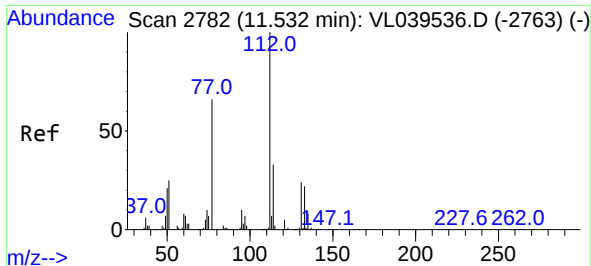
Tgt Ion:117 Resp: 2704566  
Ion Ratio Lower Upper  
117 100  
82 60.5 50.8 76.2  
119 29.4 24.1 36.1



#56  
1,1,1,2-Tetrachloroethane  
Concen: 10.017 ppbv  
RT: 11.519 min Scan# 2773  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:131 Resp: 1100824  
Ion Ratio Lower Upper  
131 100  
133 96.0 76.8 115.2  
119 67.5 46.2 69.4





#57

Chlorobenzene

Concen: 9.812 ppbv

RT: 11.542 min Scan# 21

Delta R.T. 0.010 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

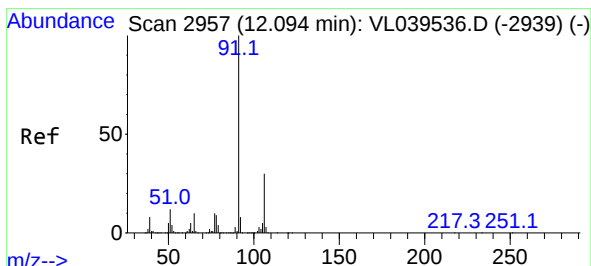
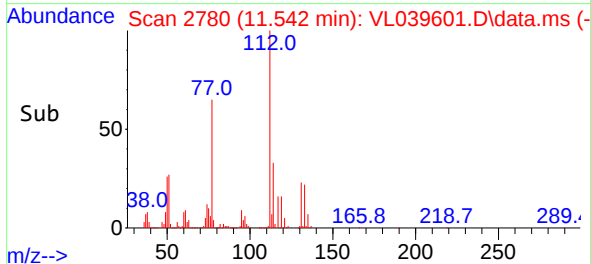
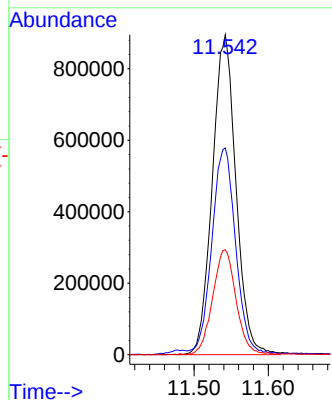
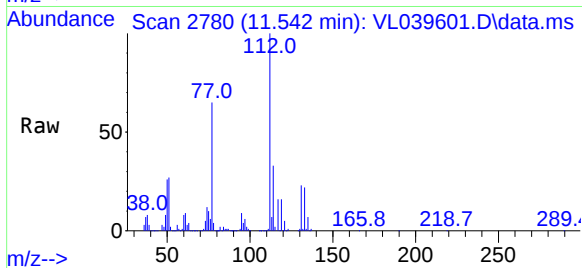
Tgt Ion:112 Resp: 1979779

Ion Ratio Lower Upper

112 100

77 64.3 51.0 76.4

114 32.6 27.5 33.6



#58

Ethyl Benzene

Concen: 10.790 ppbv

RT: 12.101 min Scan# 2954

Delta R.T. 0.007 min

Lab File: VL039601.D

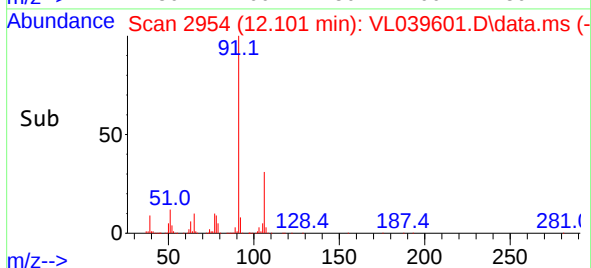
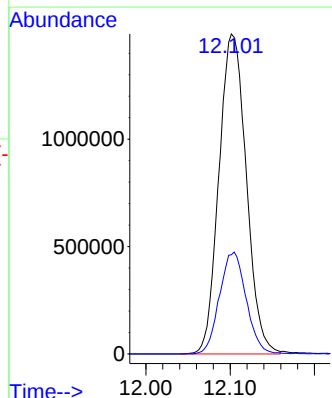
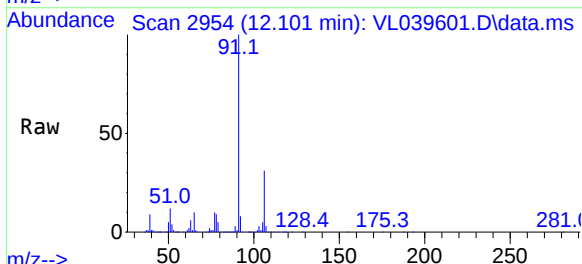
Acq: 26 Aug 2022 13:13

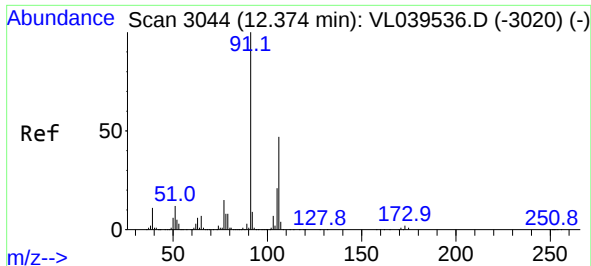
Tgt Ion: 91 Resp: 3352907

Ion Ratio Lower Upper

91 100

106 31.0 25.4 38.0





#59

m/p-Xylene

Concen: 11.133 ppbv

RT: 12.384 min Scan# 3044

Delta R.T. 0.010 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

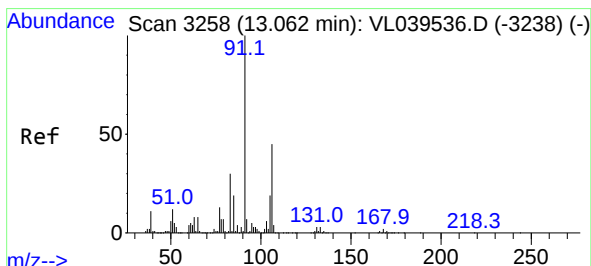
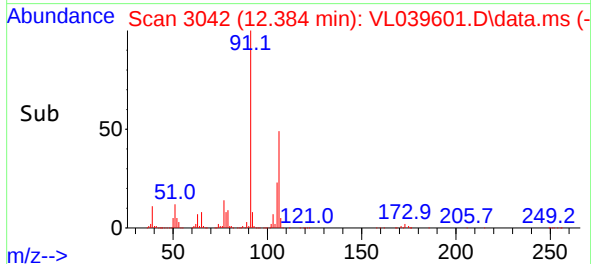
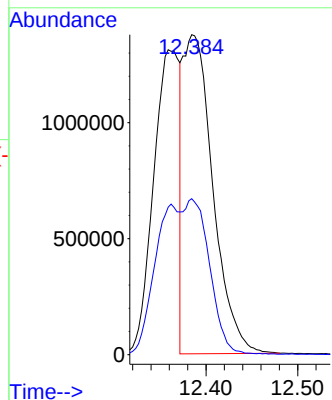
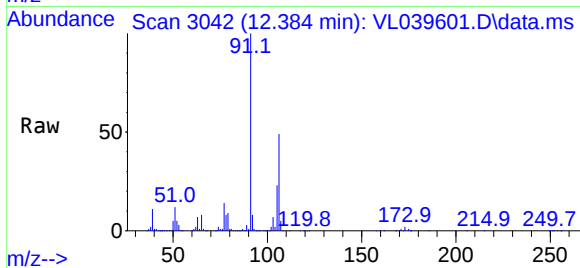
VSTDCCC010EC

Tgt Ion: 91 Resp: 3103712

Ion Ratio Lower Upper

91 100

106 84.0 35.4 53.2#



#60

o-Xylene

Concen: 10.389 ppbv

RT: 13.072 min Scan# 3256

Delta R.T. 0.010 min

Lab File: VL039601.D

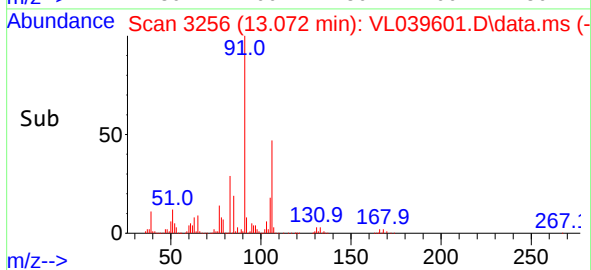
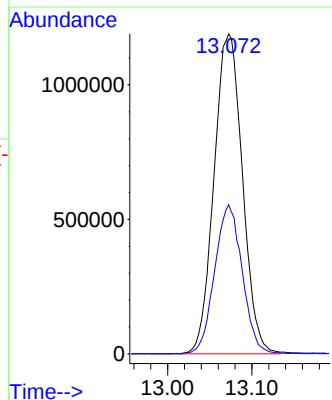
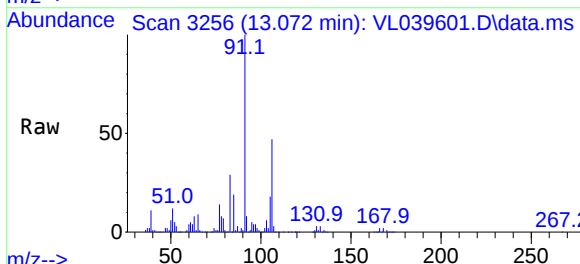
Acq: 26 Aug 2022 13:13

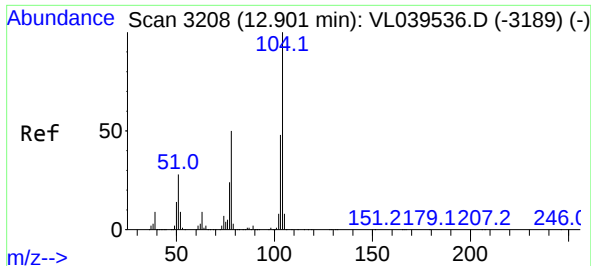
Tgt Ion: 91 Resp: 2779865

Ion Ratio Lower Upper

91 100

106 45.4 22.4 67.3

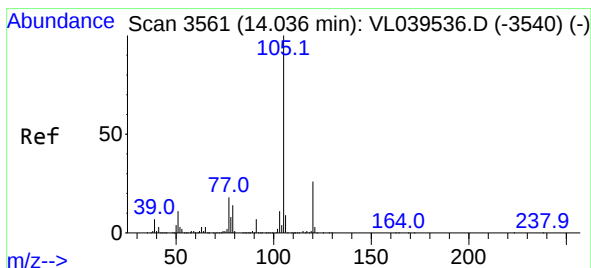
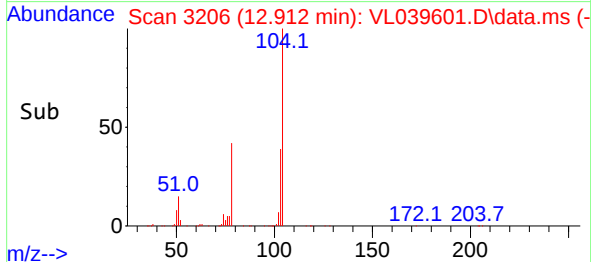
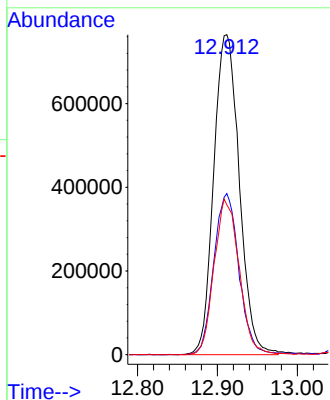
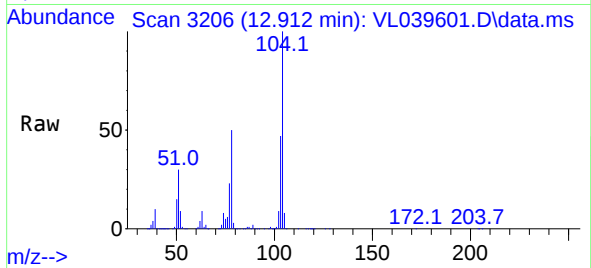




#61  
Styrene  
Concen: 11.911 ppbv  
RT: 12.912 min Scan# 31  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

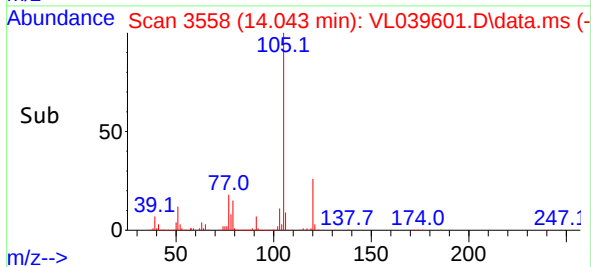
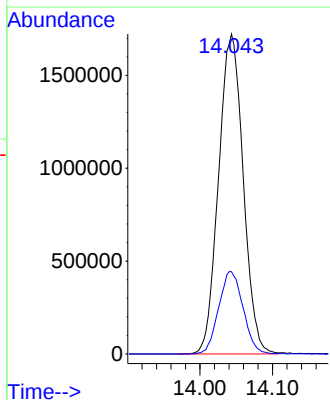
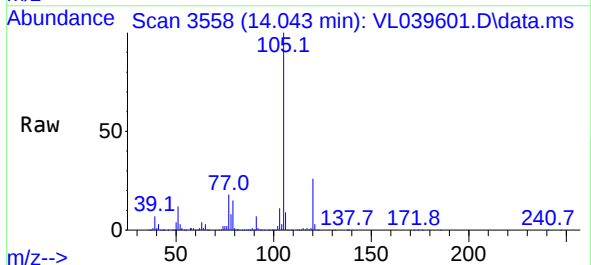
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

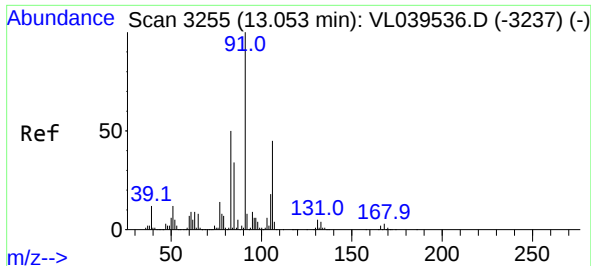
Tgt Ion:104 Resp: 1697605  
Ion Ratio Lower Upper  
104 100  
78 49.8 41.2 61.8  
103 47.8 38.7 58.1



#62  
Isopropylbenzene  
Concen: 10.029 ppbv  
RT: 14.043 min Scan# 3558  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:105 Resp: 4058303  
Ion Ratio Lower Upper  
105 100  
120 25.6 20.7 31.1

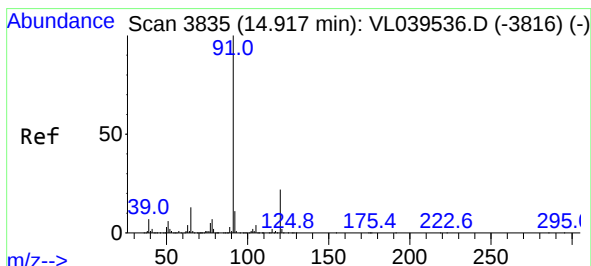
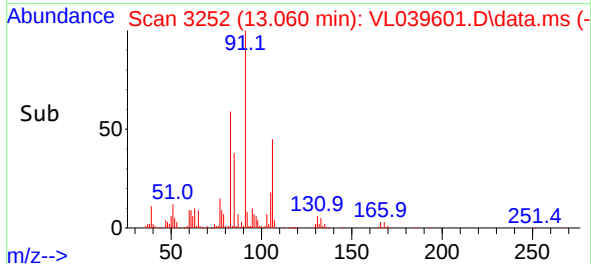
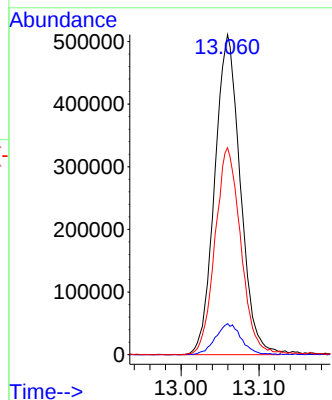
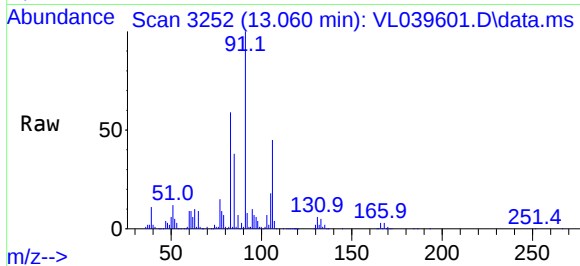




#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.200 ppbv  
RT: 13.060 min Scan# 311  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

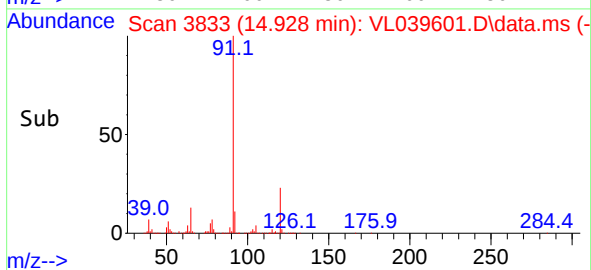
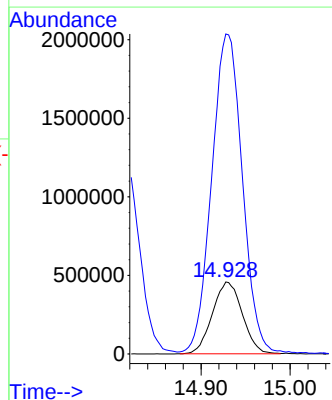
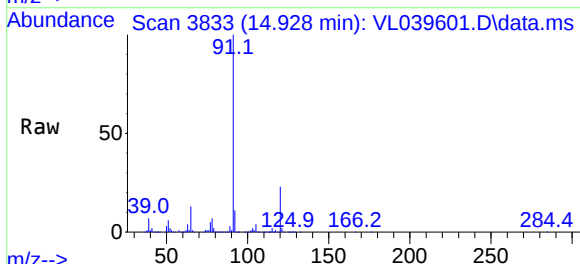
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

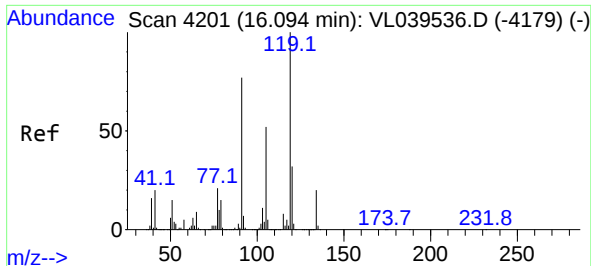
Tgt Ion: 83 Resp: 1165822  
Ion Ratio Lower Upper  
83 100  
131 9.9 5.3 15.8  
85 65.8 33.1 99.5



#64  
n-propylbenzene  
Concen: 10.129 ppbv  
RT: 14.928 min Scan# 3833  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 120 Resp: 1065204  
Ion Ratio Lower Upper  
120 100  
91 458.8 367.2 550.8

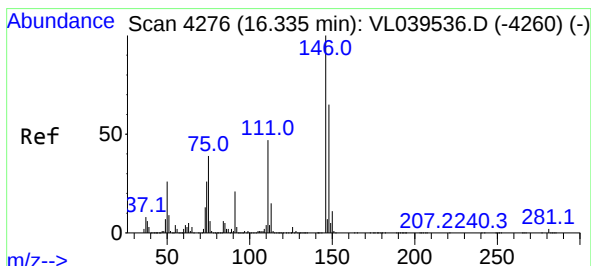
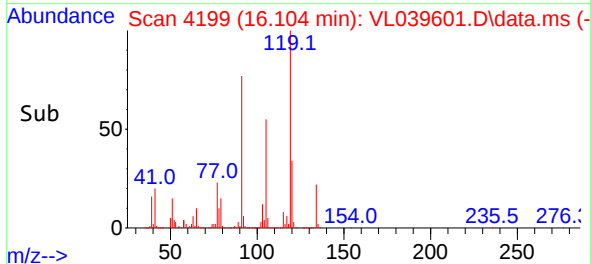
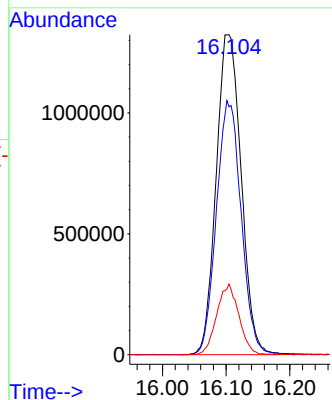
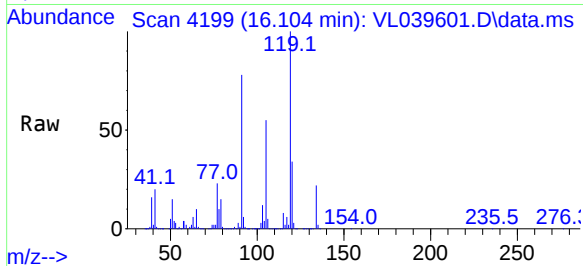




#65  
tert-Butylbenzene  
Concen: 10.045 ppbv  
RT: 16.104 min Scan# 4179  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

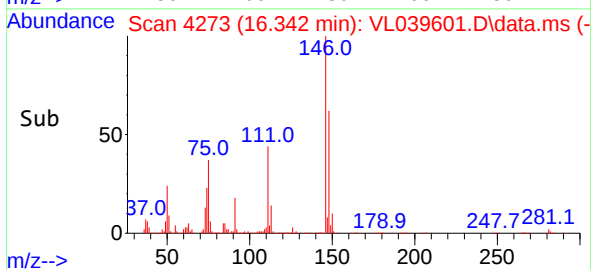
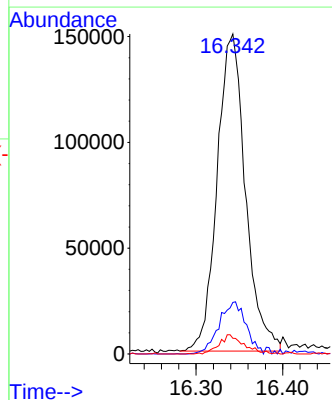
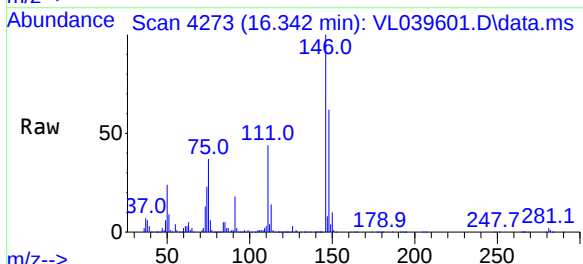
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

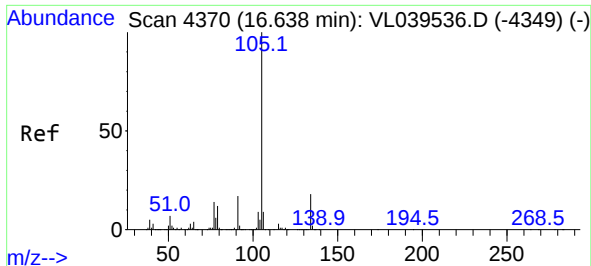
Tgt Ion:119 Resp: 3613267  
Ion Ratio Lower Upper  
119 100  
91 78.6 63.4 95.2  
134 19.6 15.9 23.9



#66  
Benzyl Chloride  
Concen: 11.651 ppbv  
RT: 16.342 min Scan# 4273  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 91 Resp: 340423  
Ion Ratio Lower Upper  
91 100  
126 16.1 13.1 19.7  
128 5.4 4.4 6.6

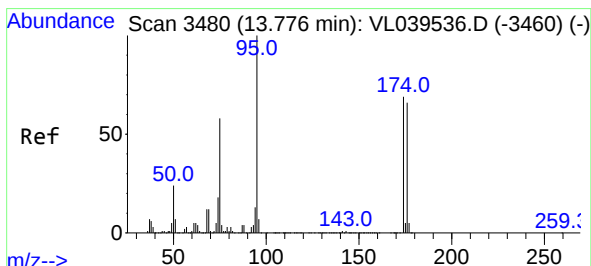
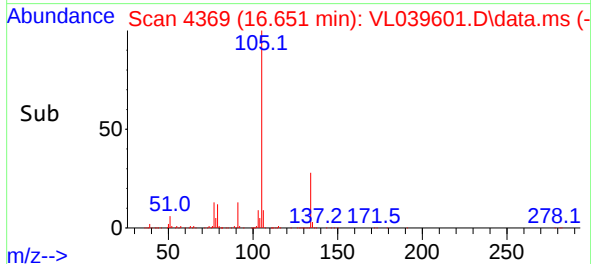
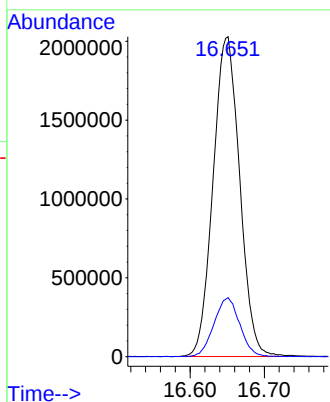
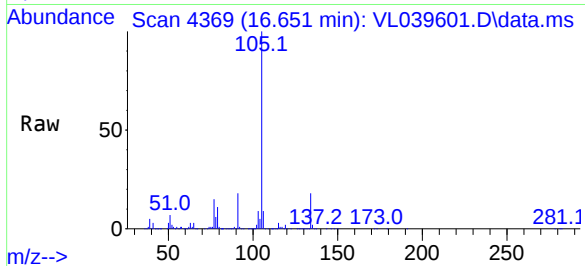




#67  
 sec-Butylbenzene  
 Concen: 9.900 ppbv  
 RT: 16.651 min Scan# 41  
 Delta R.T. 0.013 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

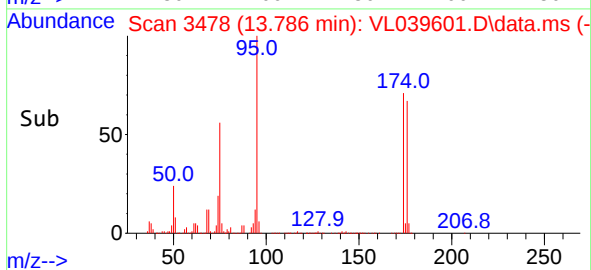
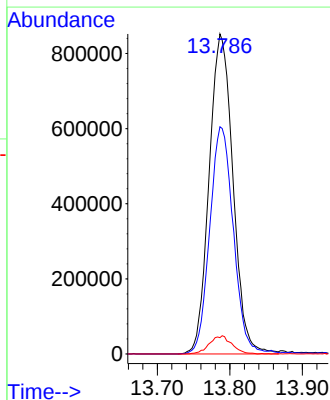
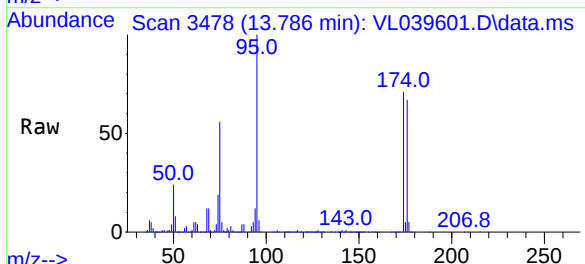
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

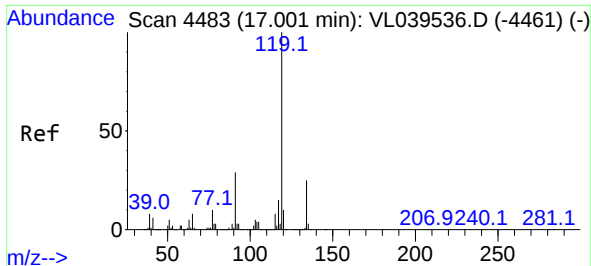
Tgt Ion:105 Resp: 5043732  
 Ion Ratio Lower Upper  
 105 100  
 134 18.0 14.8 22.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.541 ppbv  
 RT: 13.786 min Scan# 3478  
 Delta R.T. 0.010 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion: 95 Resp: 1946740  
 Ion Ratio Lower Upper  
 95 100  
 174 70.9 55.9 83.9  
 175 5.4 4.2 6.4

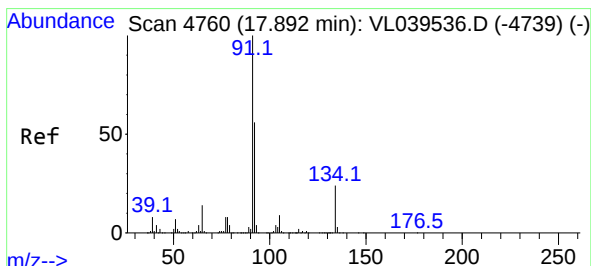
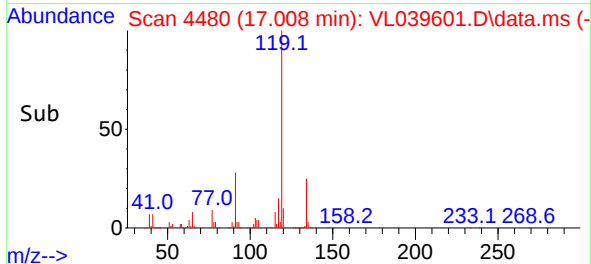
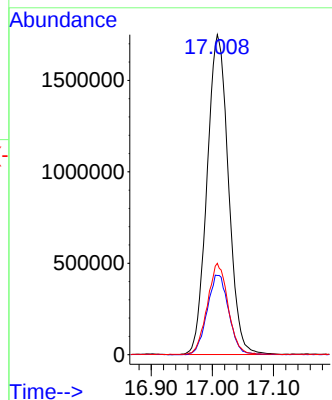
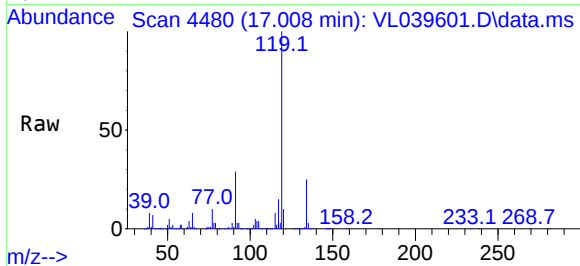




#69  
p-Isopropyltoluene  
Concen: 10.038 ppbv  
RT: 17.008 min Scan# 4483  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

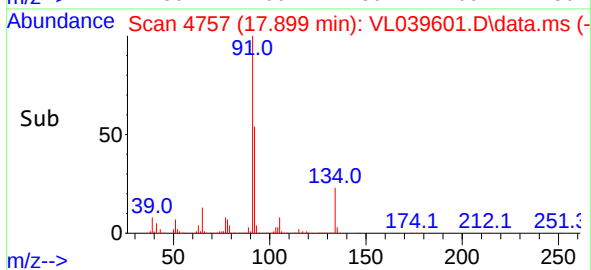
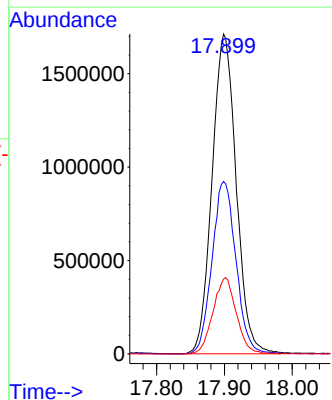
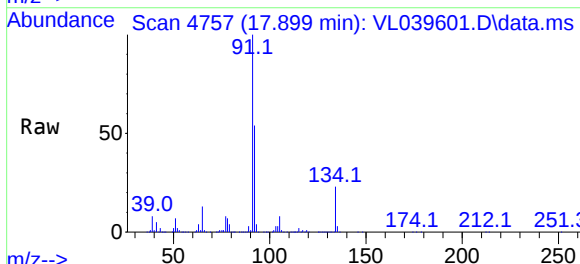
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

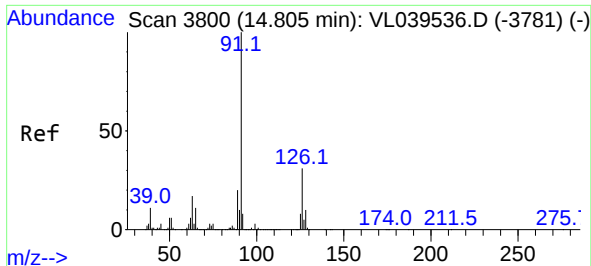
Tgt Ion:119 Resp: 4245295  
Ion Ratio Lower Upper  
119 100  
134 25.2 20.3 30.5  
91 27.7 22.9 34.3



#70  
n-Butylbenzene  
Concen: 10.045 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion: 91 Resp: 4226269  
Ion Ratio Lower Upper  
91 100  
92 53.7 43.4 65.2  
134 23.2 18.9 28.3

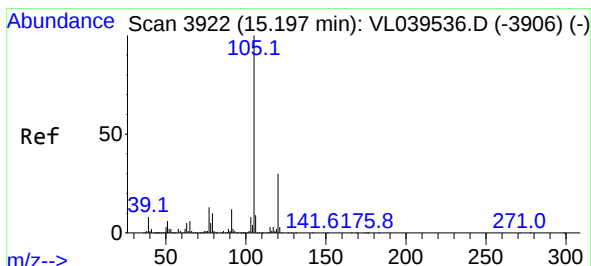
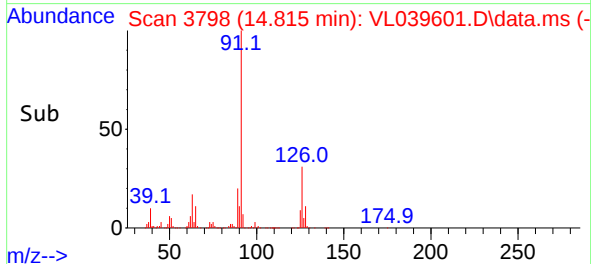
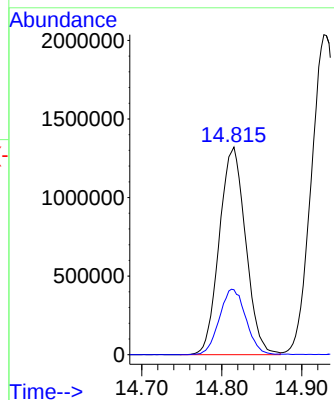
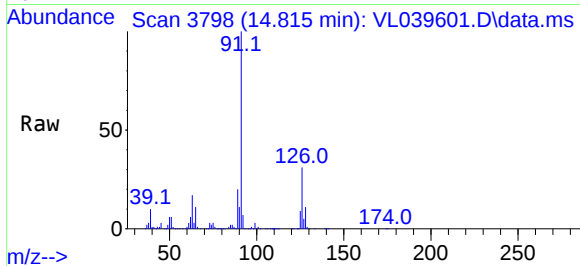




#71  
2-Chlorotoluene  
Concen: 10.305 ppbv  
RT: 14.815 min Scan# 31  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

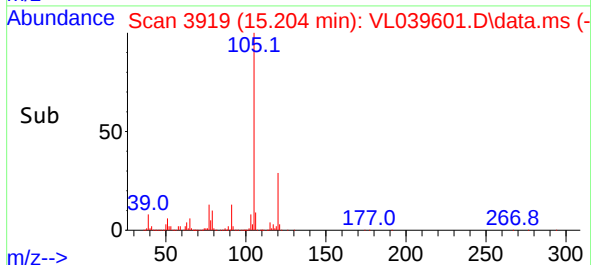
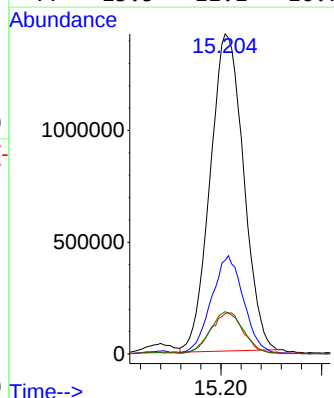
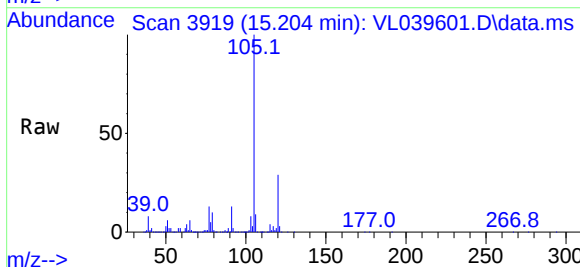
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

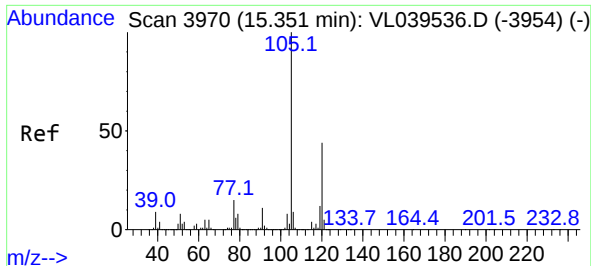
Tgt Ion: 91 Resp: 3020220  
Ion Ratio Lower Upper  
91 100  
126 32.0 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 10.447 ppbv  
RT: 15.204 min Scan# 3919  
Delta R.T. 0.007 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:105 Resp: 3268706  
Ion Ratio Lower Upper  
105 100  
120 30.2 24.2 36.2  
91 13.0 10.2 15.4  
77 13.5 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 10.379 ppbv

RT: 15.365 min Scan# 3970

Delta R.T. 0.013 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

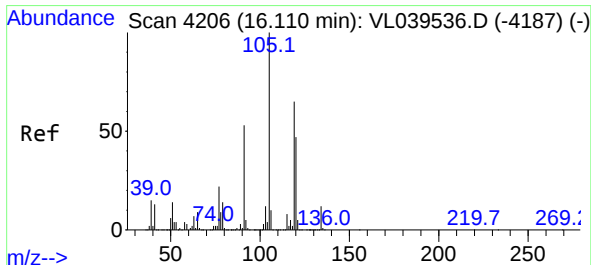
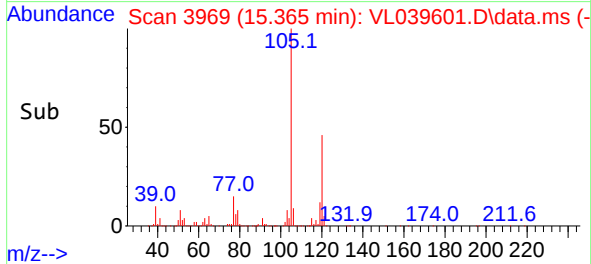
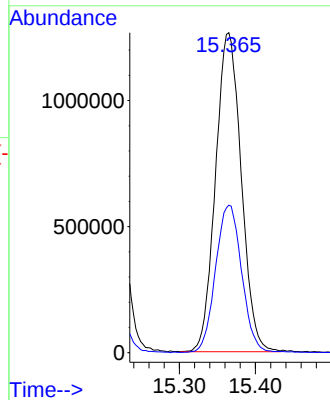
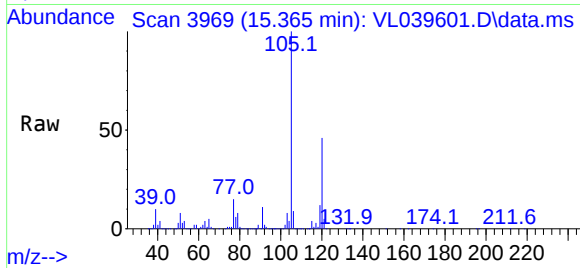
VSTDCCC010EC

Tgt Ion:105 Resp: 2967675

Ion Ratio Lower Upper

105 100

120 46.1 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 9.942 ppbv

RT: 16.124 min Scan# 4205

Delta R.T. 0.013 min

Lab File: VL039601.D

Acq: 26 Aug 2022 13:13

Tgt Ion:105 Resp: 3167454

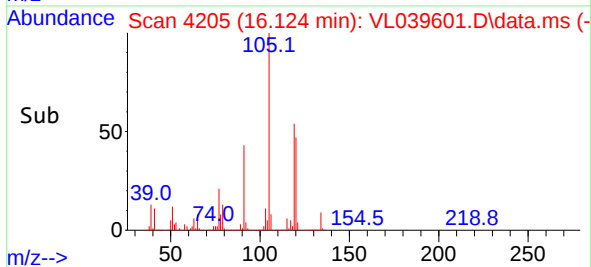
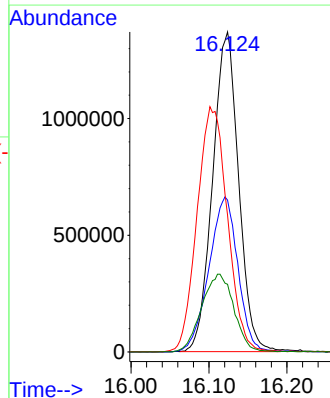
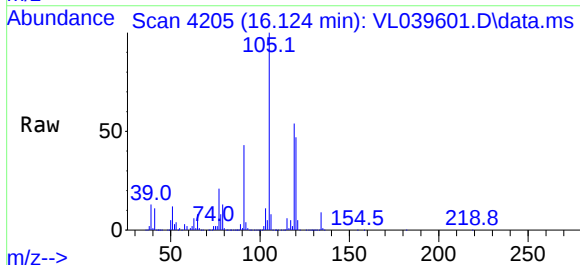
Ion Ratio Lower Upper

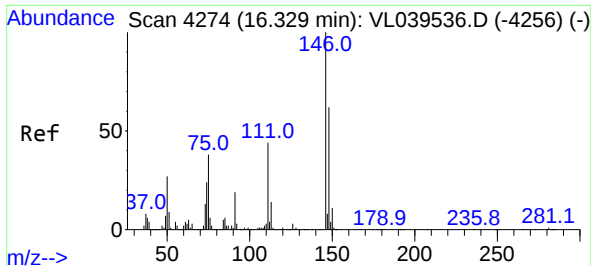
105 100

120 47.2 39.5 59.3

91 42.5 39.2 58.8

77 21.0 17.2 25.8

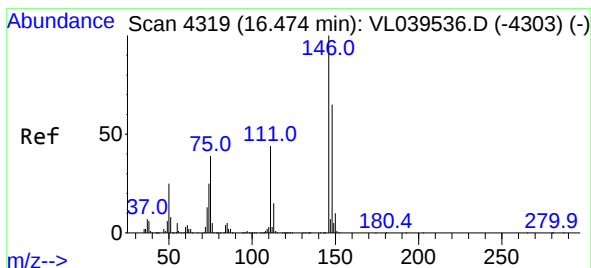
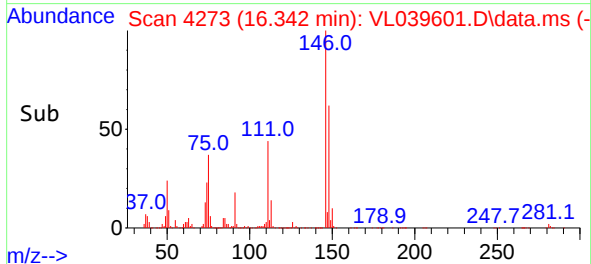
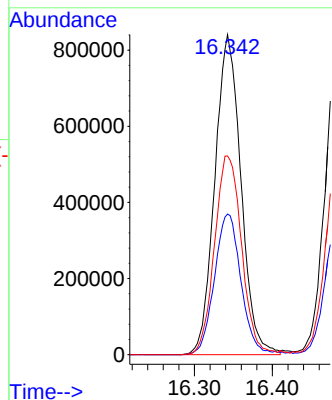
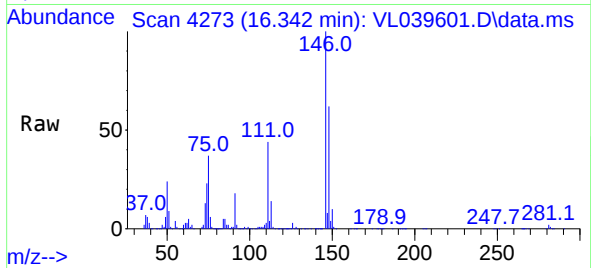




#75  
1,3-Dichlorobenzene  
Concen: 10.112 ppbv  
RT: 16.342 min Scan# 41  
Delta R.T. 0.013 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

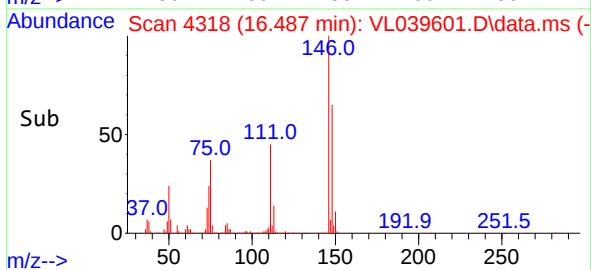
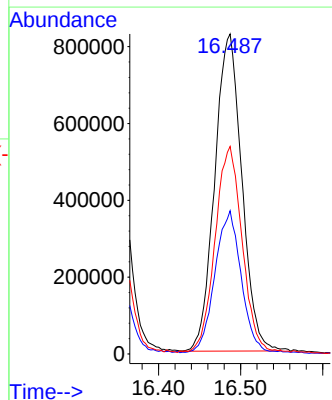
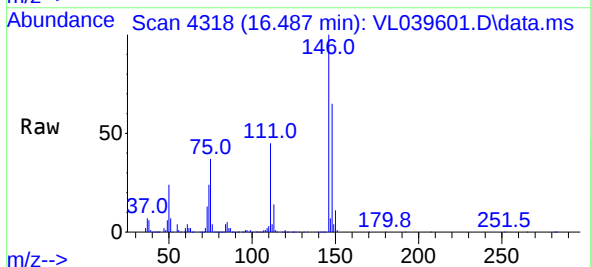
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

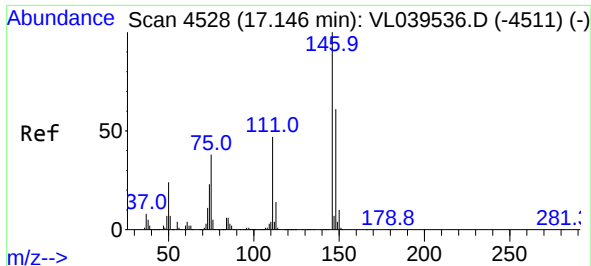
Tgt Ion:146 Resp: 1958733  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.9 68.7  
148 64.6 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 9.830 ppbv  
RT: 16.487 min Scan# 4318  
Delta R.T. 0.013 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:146 Resp: 1897147  
Ion Ratio Lower Upper  
146 100  
111 44.9 22.9 68.8  
148 66.6 33.6 100.8



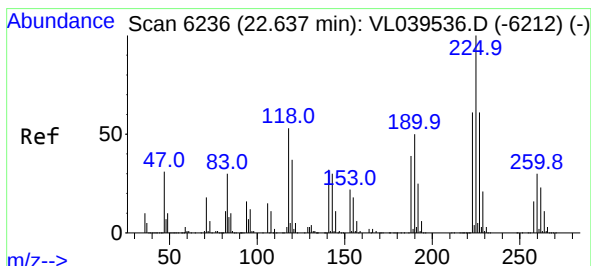
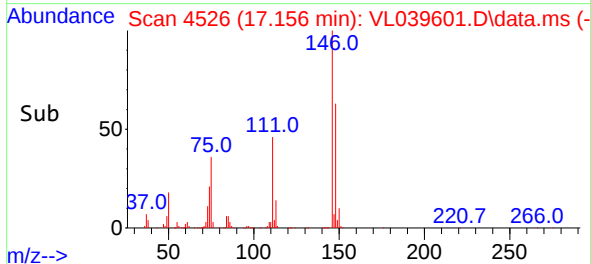
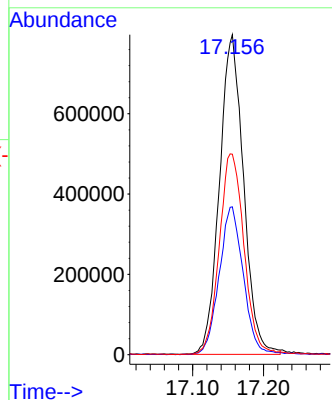
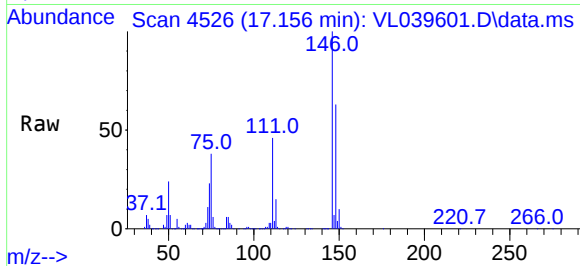


#77  
 1,2-Dichlorobenzene  
 Concen: 9.896 ppbv  
 RT: 17.156 min Scan# 41  
 Delta R.T. 0.010 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Tgt Ion:146 Resp: 1877096  

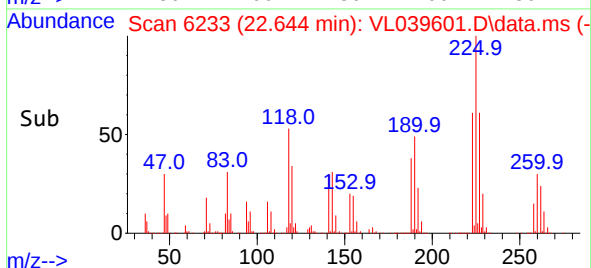
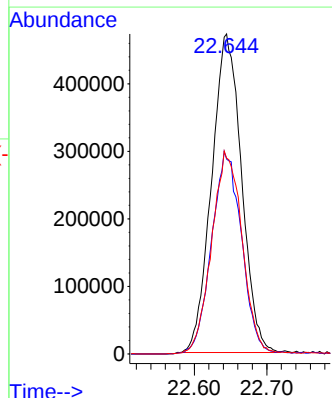
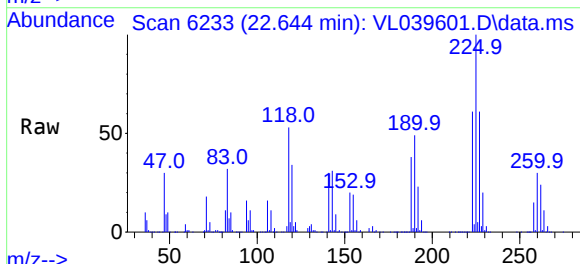
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 46.6  | 23.8  | 71.5  |
| 148 | 65.0  | 32.3  | 96.8  |

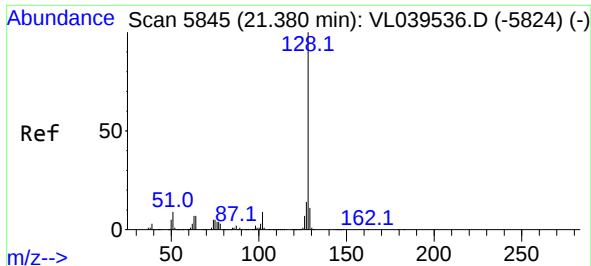


#78  
 Hexachloro-1,3-Butadiene  
 Concen: 8.944 ppbv  
 RT: 22.644 min Scan# 6233  
 Delta R.T. 0.007 min  
 Lab File: VL039601.D  
 Acq: 26 Aug 2022 13:13

Tgt Ion:225 Resp: 1351153  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 64.0  | 51.8  | 77.6  |
| 227 | 65.1  | 51.4  | 77.2  |

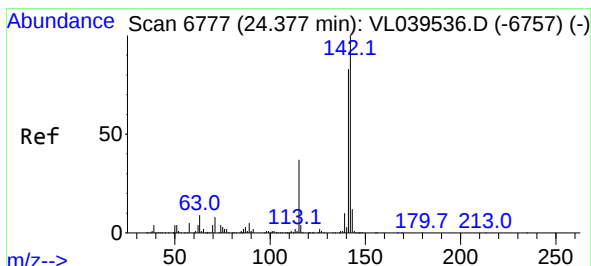
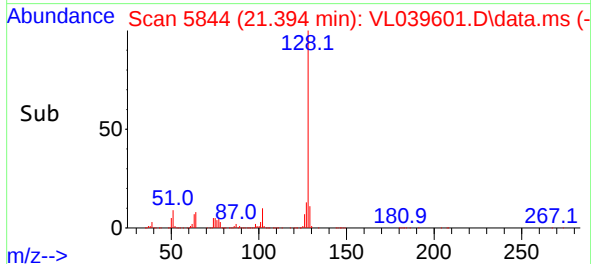
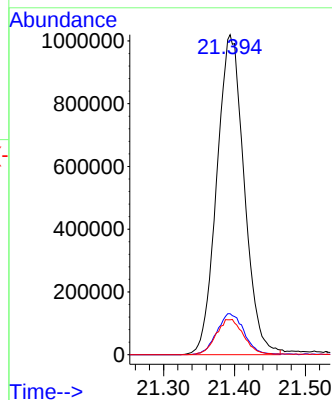
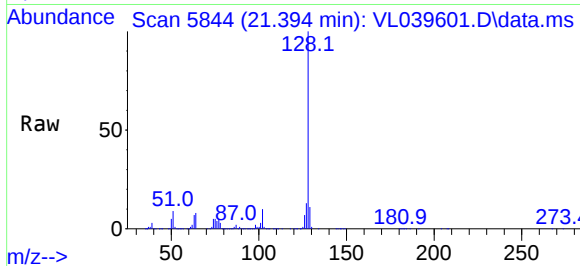




#79  
Naphthalene  
Concen: 12.059 ppbv  
RT: 21.394 min Scan# 5844  
Delta R.T. 0.013 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

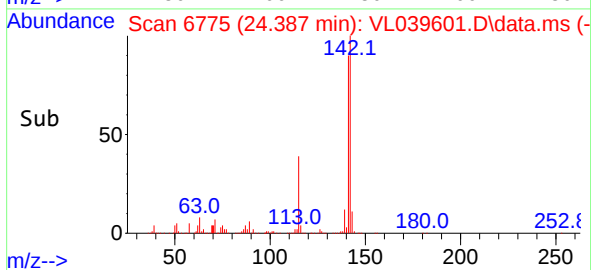
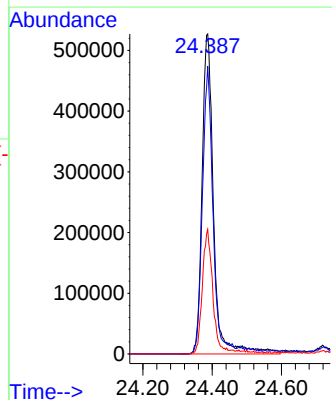
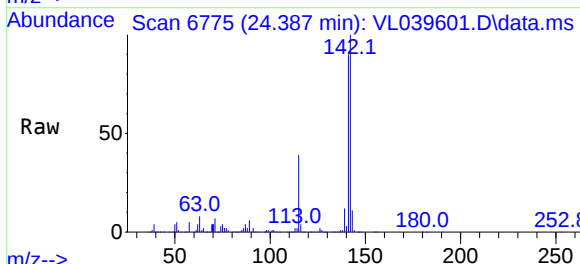
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

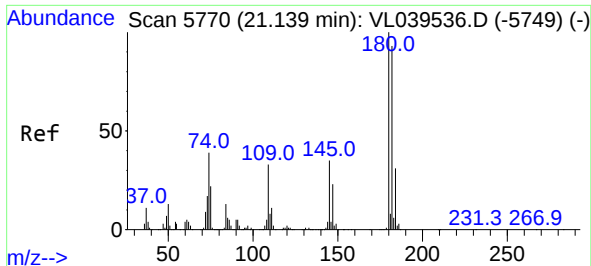
Tgt Ion:128 Resp: 2736217  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.6 15.8  
129 10.9 8.8 13.2



#80  
Naphthalene,2-methyl-  
Concen: 13.225 ppbv  
RT: 24.387 min Scan# 6775  
Delta R.T. 0.010 min  
Lab File: VL039601.D  
Acq: 26 Aug 2022 13:13

Tgt Ion:142 Resp: 1217899  
Ion Ratio Lower Upper  
142 100  
141 85.1 68.9 103.3  
115 35.8 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 10.130 ppbv

RT: 21.152 min Scan# 51

Delta R.T. 0.013 min

Lab File: VL039601.D

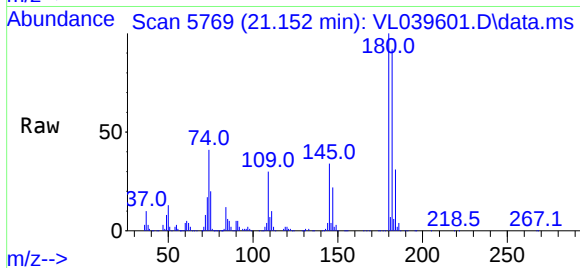
Acq: 26 Aug 2022 13:13

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 1534822

Ion Ratio Lower Upper

180 100

182 97.6 77.1 115.7

184 31.6 24.3 36.5

