

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101022\  
 Data File : VL039698.D  
 Acq On : 10 Oct 2022 16:55  
 Operator : SY/AP  
 Sample : VL1010ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

Quant Time: Oct 11 07:18:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.195  | 49   | 1049433  | 10.000 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 6.651  | 114  | 2782873  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.458 | 117  | 2735994  | 10.000 | ppbv  | -0.01    |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.767 | 95    | 2023659  | 9.908    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.100% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.745 | 85  | 1063808 | 8.744  | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.690 | 51  | 1171101 | 9.404  | ppbv   | 97     |
| 4) Chloromethane              | 2.828 | 50  | 725499  | 9.654  | ppbv   | 96     |
| 5) Vinyl Chloride             | 2.935 | 62  | 630001  | 10.057 | ppbv   | 96     |
| 6) Bromomethane               | 3.134 | 94  | 226380  | 9.799  | ppbv   | 92     |
| 7) Chloroethane               | 3.214 | 64  | 230993  | 10.083 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 2.873 | 85  | 1448801 | 9.928  | ppbv   | 92     |
| 9) Propene                    | 2.709 | 41  | 548570  | 9.645  | ppbv   | 98     |
| 10) Heptane                   | 7.574 | 43  | 1367136 | 10.300 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 3.574 | 101 | 1446375 | 9.600  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.076 | 101 | 1082011 | 9.508  | ppbv   | 100    |
| 13) Ethanol                   | 3.256 | 45  | 31270   | 7.215  | ppbv   | 91     |
| 14) Bromoethene               | 3.381 | 108 | 449125  | 9.886  | ppbv   | 98     |
| 15) Acetone                   | 3.481 | 43  | 1110280 | 9.508  | ppbv   | 100    |
| 16) 1,3-Butadiene             | 2.999 | 39  | 607388  | 10.253 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.886 | 59  | 912022  | 8.703  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.889 | 96  | 507339  | 10.132 | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.587 | 45  | 502428  | 8.441  | ppbv # | 97     |
| 20) Methylene Chloride        | 3.944 | 84  | 413991  | 7.668  | ppbv   | 95     |
| 21) Allyl Chloride            | 4.008 | 41  | 787635  | 9.905  | ppbv   | 98     |
| 22) trans-1,2-Dichloroethene  | 4.455 | 96  | 497995  | 10.054 | ppbv   | 98     |
| 23) Vinyl Acetate             | 4.635 | 43  | 471586  | 8.933  | ppbv   | 97     |
| 24) 1,1-Dichloroethane        | 4.571 | 63  | 1041504 | 9.907  | ppbv   | 98     |
| 25) Ethyl Acetate             | 5.211 | 43  | 2426103 | 9.528  | ppbv   | 99     |
| 26) Hexane                    | 5.217 | 57  | 996762  | 9.224  | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.134 | 76  | 1238662 | 10.907 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 4.594 | 73  | 834067  | 9.187  | ppbv   | 99     |
| 29) Chloroform                | 5.275 | 83  | 1504223 | 9.643  | ppbv   | 96     |
| 30) Cyclohexane               | 6.600 | 84  | 851046  | 10.170 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 5.082 | 61  | 956295  | 9.785  | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 6.002 | 97  | 1452238 | 10.283 | ppbv   | 99     |
| 34) 2-Butanone                | 4.793 | 43  | 1243088 | 9.094  | ppbv   | 96     |
| 35) Carbon Tetrachloride      | 6.491 | 117 | 1569767 | 10.626 | ppbv   | 97     |
| 36) Benzene                   | 6.372 | 78  | 2089033 | 9.819  | ppbv   | 96     |
| 37) 1,2-Dichloroethane        | 5.809 | 62  | 1115120 | 9.630  | ppbv   | 99     |
| 38) Trichloroethene           | 7.288 | 130 | 1204389 | 10.474 | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.069 | 63  | 797314  | 9.705  | ppbv   | 95     |
| 40) 1,4-Dioxane               | 7.282 | 88  | 302509  | 9.018  | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.561 | 42  | 818871  | 9.765  | ppbv   | 97     |
| 42) Bromodichloromethane      | 7.246 | 83  | 1632106 | 10.133 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.471 | 69  | 805380  | 10.384 | ppbv   | 97     |
| 44) 2,2,4-Trimethylpentane    | 7.327 | 57  | 3557149 | 9.700  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.706 | 75  | 742105  | 11.323 | ppbv   | 95     |

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 Sample : VL1010ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

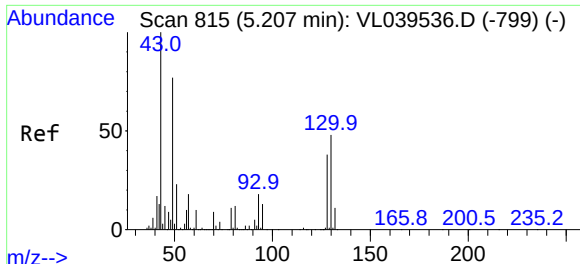
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

Quant Time: Oct 11 07:18:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.140  | 75   | 1038727  | 11.133 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.892  | 97   | 861892   | 9.598  | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.700  | 129  | 1413956  | 10.456 | ppbv   | 100      |
| 49) Bromoform                 | 12.397 | 173  | 1151709  | 10.298 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.175  | 43   | 2208523  | 10.282 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.545  | 43   | 1721408  | 10.827 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.609 | 164  | 776925   | 9.572  | ppbv   | 96       |
| 53) Toluene                   | 9.217  | 91   | 2457985  | 10.387 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.002 | 107  | 988607   | 10.291 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 11.500 | 131  | 1033422  | 9.347  | ppbv   | 98       |
| 57) Chlorobenzene             | 11.516 | 112  | 1833934  | 9.115  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.079 | 91   | 3183181  | 10.091 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.362 | 91   | 2942075  | 10.480 | ppbv # | 42       |
| 60) o-Xylene                  | 13.050 | 91   | 2564562  | 9.566  | ppbv   | 99       |
| 61) Styrene                   | 12.886 | 104  | 1499225  | 10.384 | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.021 | 105  | 3714499  | 9.208  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.037 | 83   | 965572   | 9.029  | ppbv   | 99       |
| 64) n-propylbenzene           | 14.908 | 120  | 968713   | 9.377  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 16.082 | 119  | 3228959  | 9.060  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.320 | 91   | 246103   | 8.672  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.628 | 105  | 4542677  | 9.087  | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 16.989 | 119  | 3783458  | 9.210  | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.876 | 91   | 3783200  | 9.395  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.793 | 91   | 2706322  | 9.291  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.185 | 105  | 2995027  | 9.786  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.342 | 105  | 2674021  | 9.548  | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.098 | 105  | 2852345  | 9.086  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.320 | 146  | 1698280  | 9.067  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.461 | 146  | 1684735  | 8.991  | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 17.133 | 146  | 1662484  | 9.102  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.619 | 225  | 1323617  | 9.484  | ppbv   | 100      |
| 79) Naphthalene               | 21.368 | 128  | 2802367  | 13.527 | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 24.368 | 142  | 790425   | 10.147 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 21.130 | 180  | 1574741  | 11.573 | ppbv   | 100      |

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

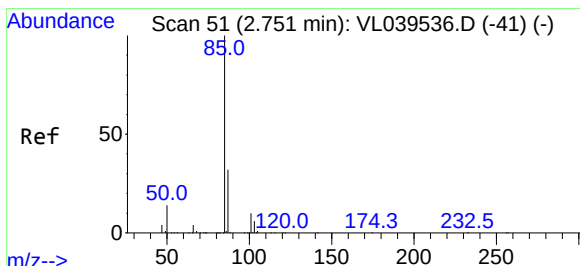
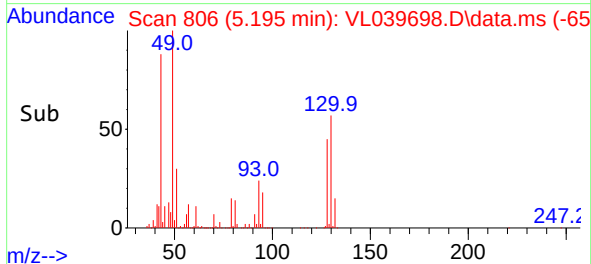
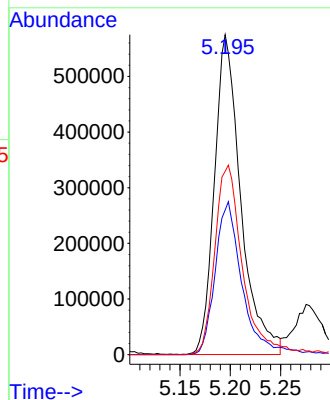
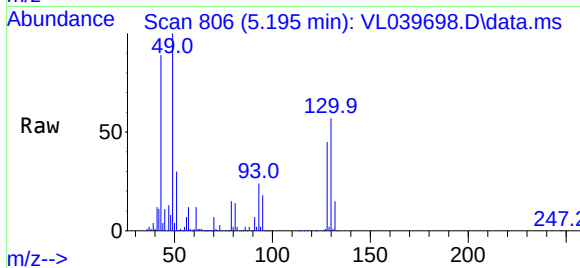




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.195 min Scan# 80  
 Delta R.T. -0.012 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

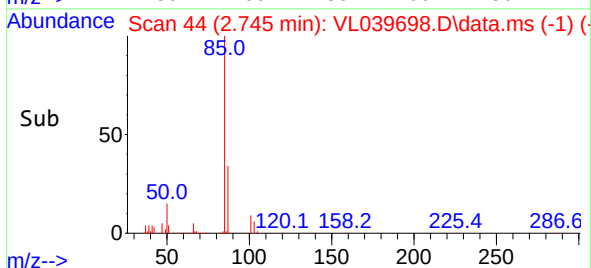
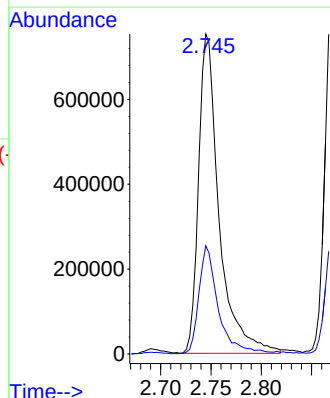
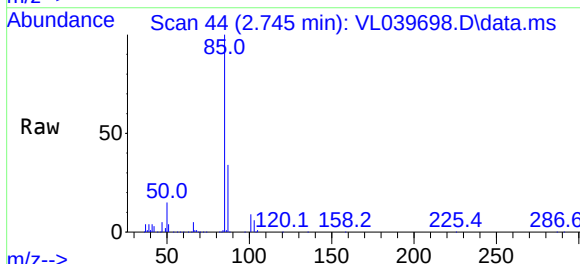
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

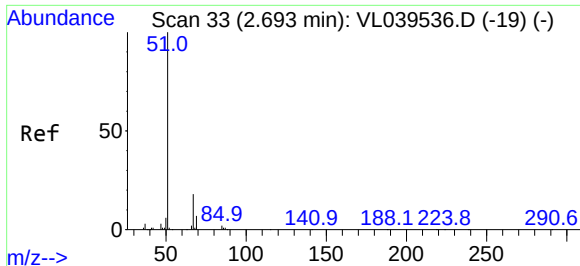
Tgt Ion: 49 Resp: 1049433  
 Ion Ratio Lower Upper  
 49 100  
 128 49.8 26.7 80.0  
 130 64.6 34.3 102.8



#2  
 Dichlorodifluoromethane  
 Concen: 8.744 ppbv  
 RT: 2.745 min Scan# 44  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 85 Resp: 1063808  
 Ion Ratio Lower Upper  
 85 100  
 87 33.8 26.7 40.1

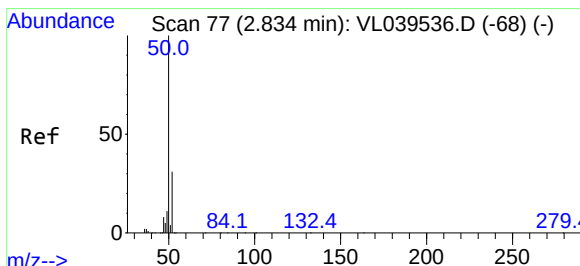
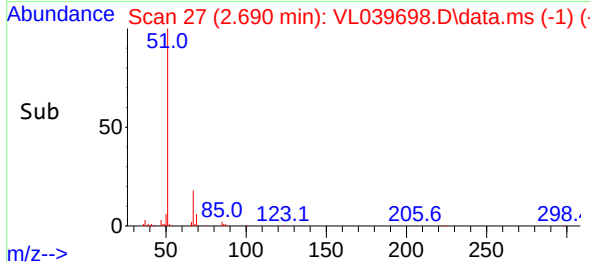
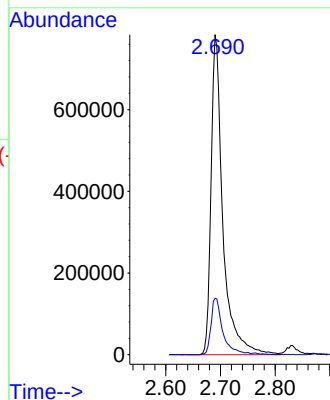
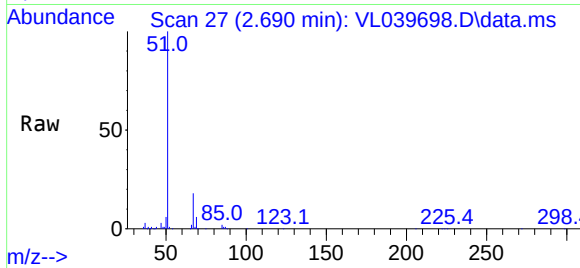




#3  
Chlorodifluoromethane  
Concen: 9.404 ppbv  
RT: 2.690 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

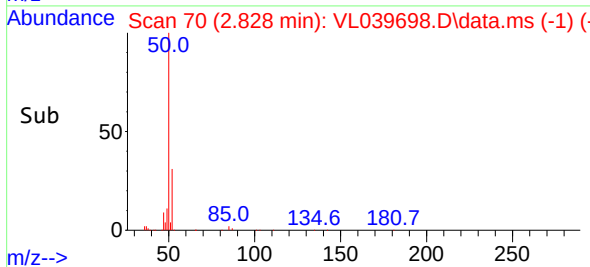
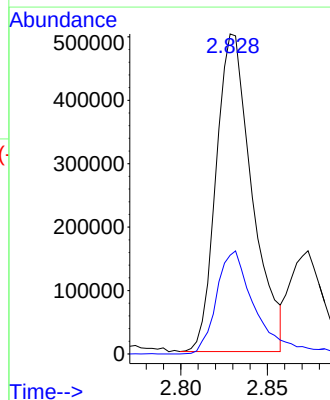
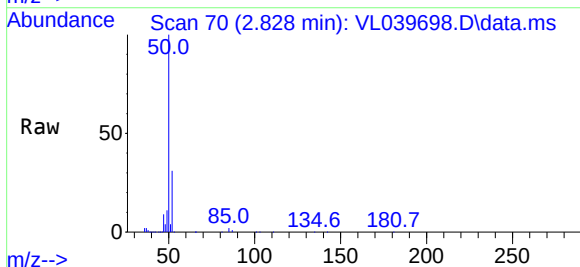
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

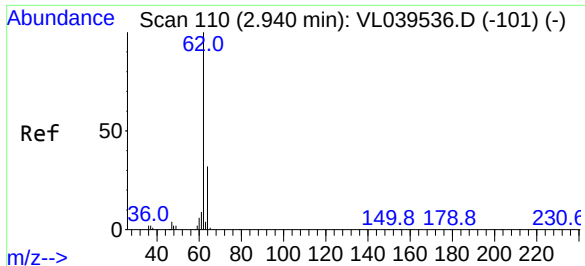
Tgt Ion: 51 Resp: 1171101  
Ion Ratio Lower Upper  
51 100  
67 18.1 15.7 23.5



#4  
Chloromethane  
Concen: 9.654 ppbv  
RT: 2.828 min Scan# 70  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 50 Resp: 725499  
Ion Ratio Lower Upper  
50 100  
52 31.1 26.5 39.7

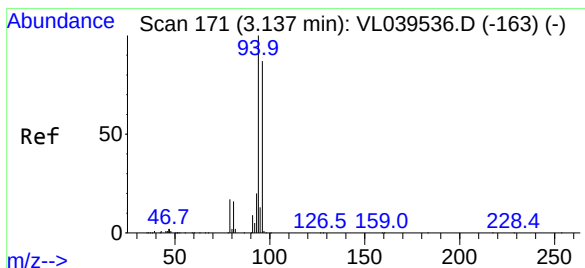
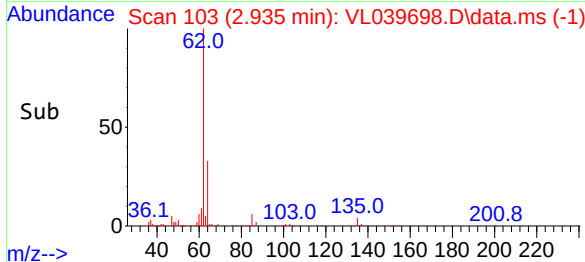
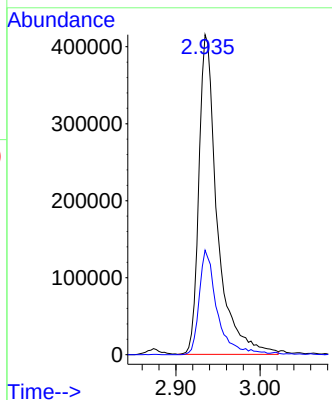
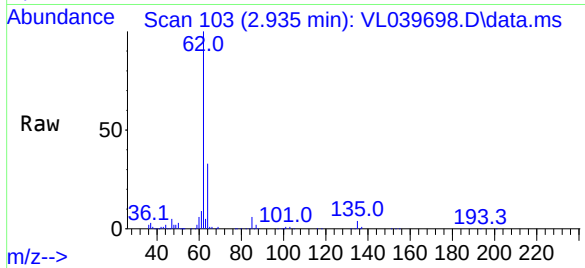




#5  
 Vinyl Chloride  
 Concen: 10.057 ppbv  
 RT: 2.935 min Scan# 103  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

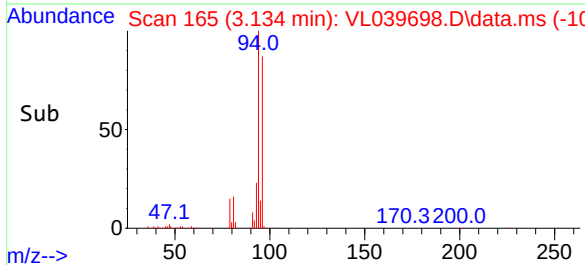
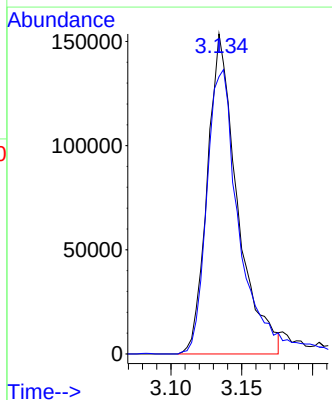
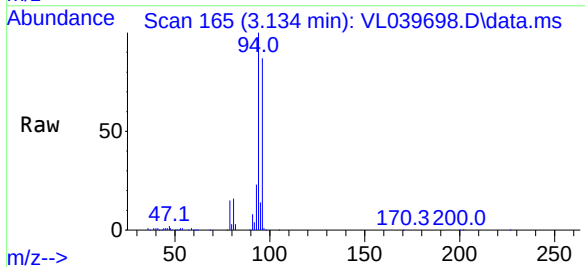
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

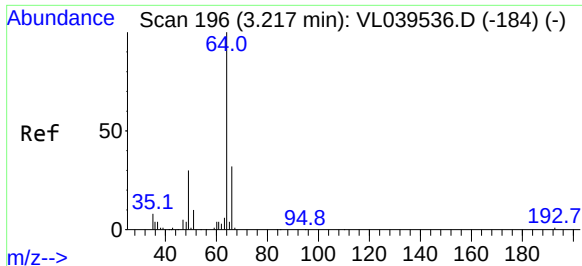
Tgt Ion: 62 Resp: 630001  
 Ion Ratio Lower Upper  
 62 100  
 64 32.7 24.6 36.8



#6  
 Bromomethane  
 Concen: 9.799 ppbv  
 RT: 3.134 min Scan# 165  
 Delta R.T. -0.003 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 94 Resp: 226380  
 Ion Ratio Lower Upper  
 94 100  
 96 86.7 75.6 113.4

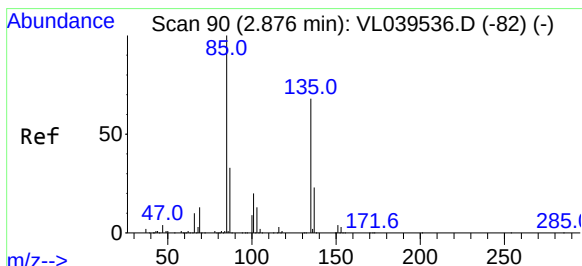
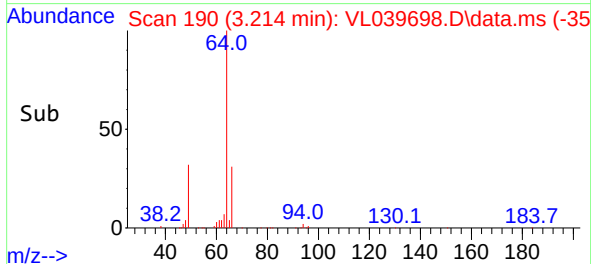
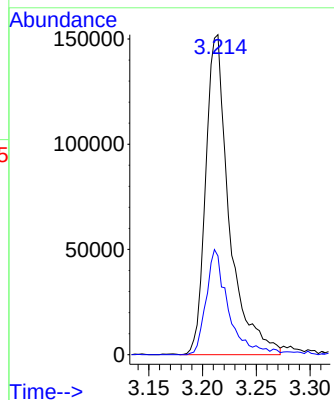
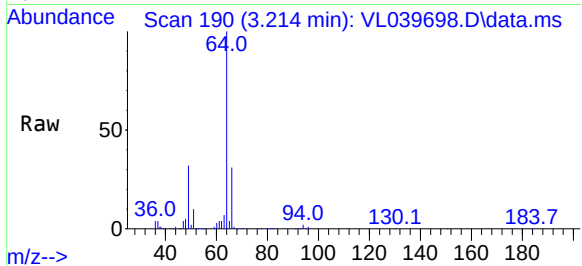




#7  
Chloroethane  
Concen: 10.083 ppbv  
RT: 3.214 min Scan# 196  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

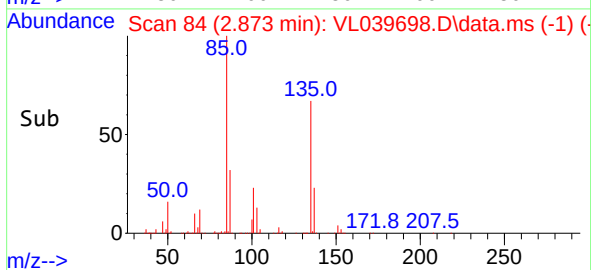
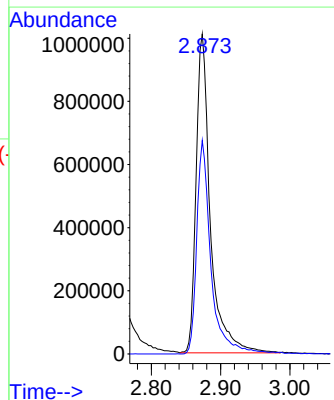
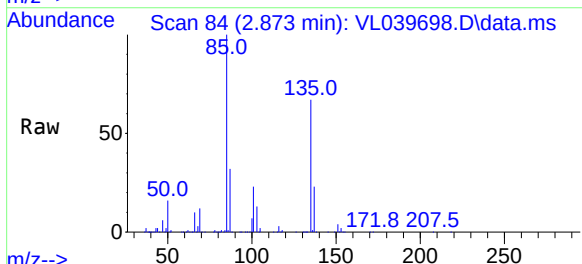
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

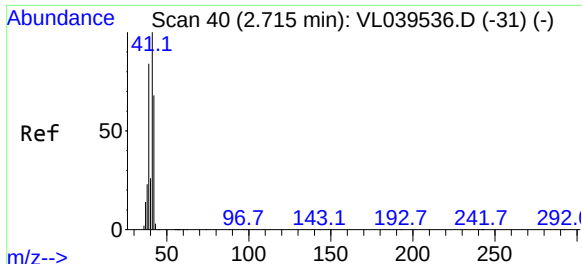
Tgt Ion: 64 Resp: 230993  
Ion Ratio Lower Upper  
64 100  
66 30.8 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 9.928 ppbv  
RT: 2.873 min Scan# 84  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 85 Resp: 1448801  
Ion Ratio Lower Upper  
85 100  
135 67.2 59.0 88.4

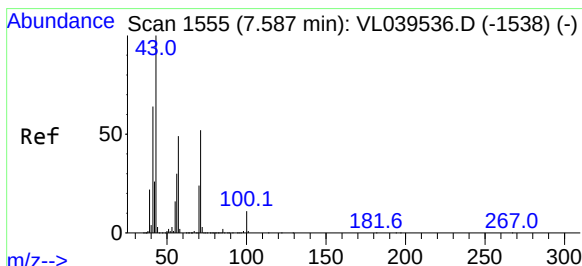
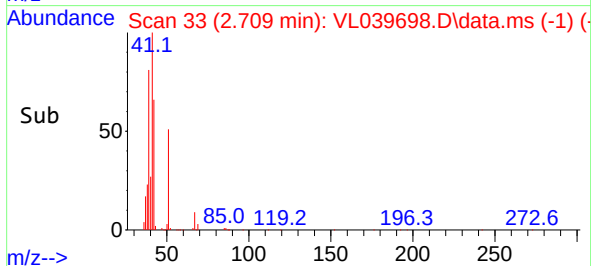
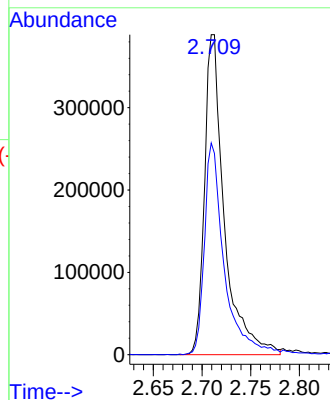
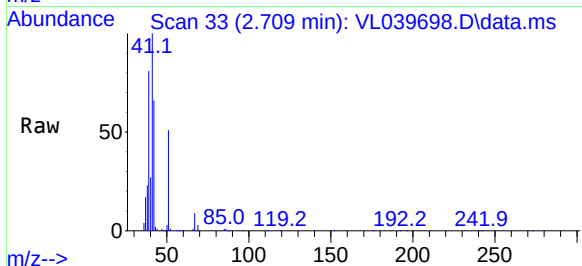




#9  
 Propene  
 Concen: 9.645 ppbv  
 RT: 2.709 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

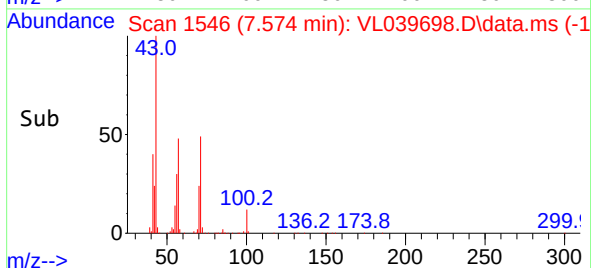
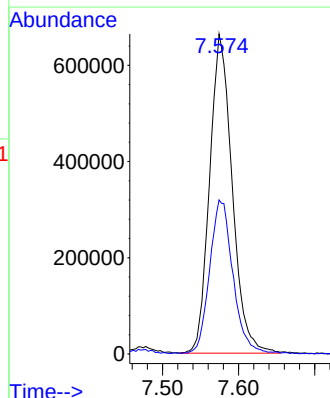
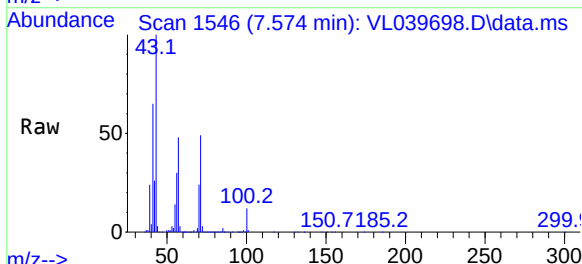
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 ClientSampleId :  
 VL1010ABL01

Tgt Ion: 41 Resp: 548570  
 Ion Ratio Lower Upper  
 41 100  
 42 67.3 55.2 82.8

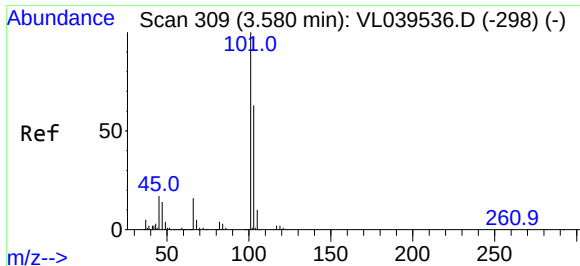


#10  
 Heptane  
 Concen: 10.300 ppbv  
 RT: 7.574 min Scan# 1546  
 Delta R.T. -0.012 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 43 Resp: 1367136  
 Ion Ratio Lower Upper  
 43 100  
 57 50.5 40.5 60.7



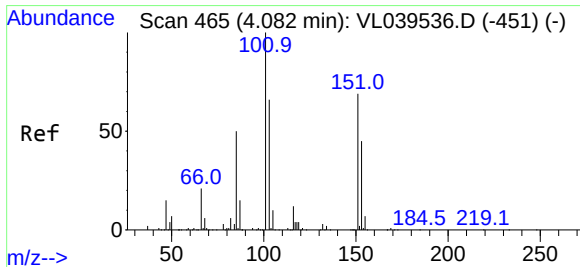
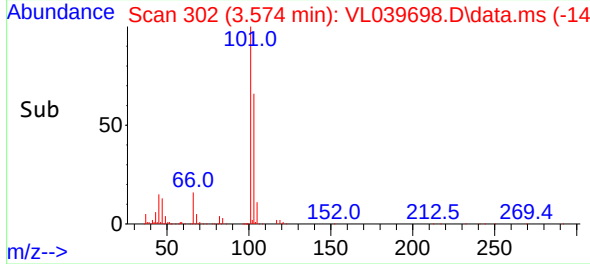
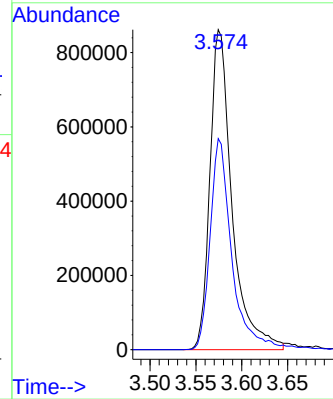
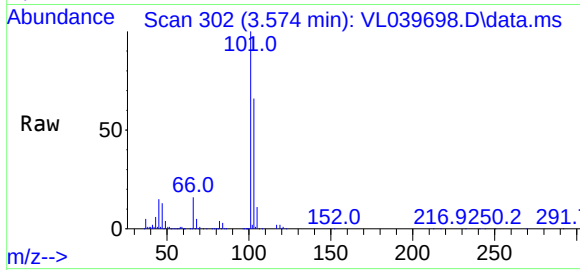




#11  
 Trichlorofluoromethane  
 Concen: 9.600 ppbv  
 RT: 3.574 min Scan# 309  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

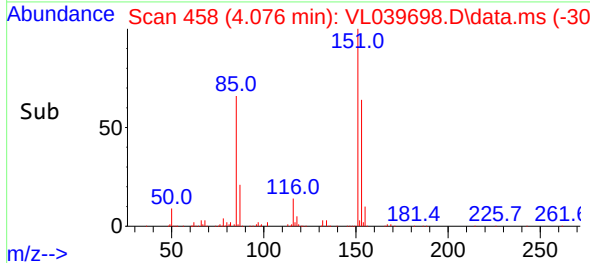
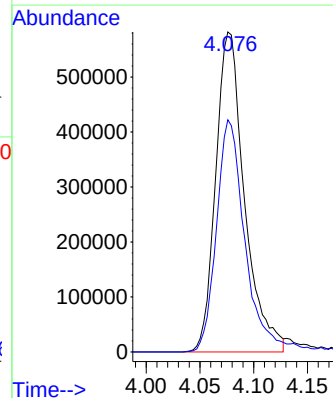
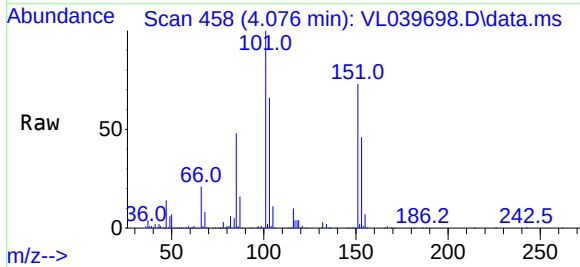
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

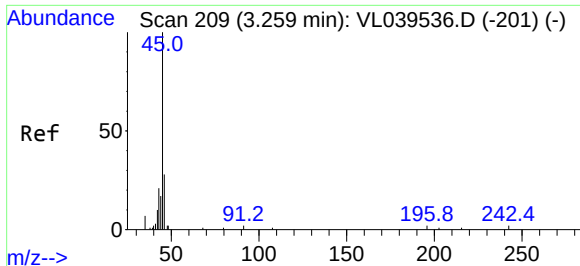
Tgt Ion:101 Resp: 1446375  
 Ion Ratio Lower Upper  
 101 100  
 103 65.9 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.508 ppbv  
 RT: 4.076 min Scan# 458  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion:101 Resp: 1082011  
 Ion Ratio Lower Upper  
 101 100  
 151 73.8 58.9 88.3

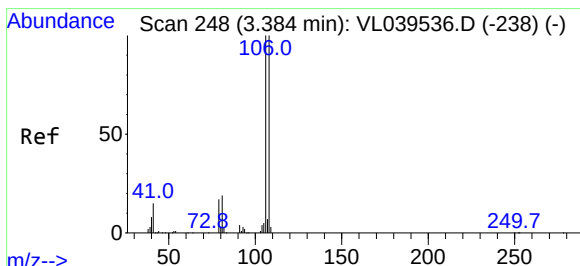
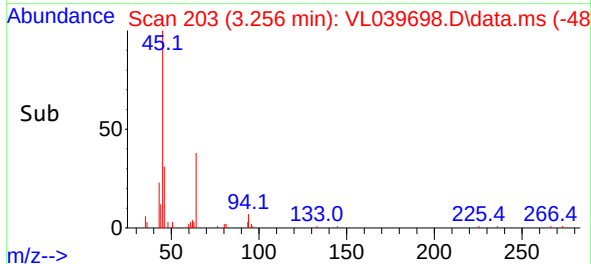
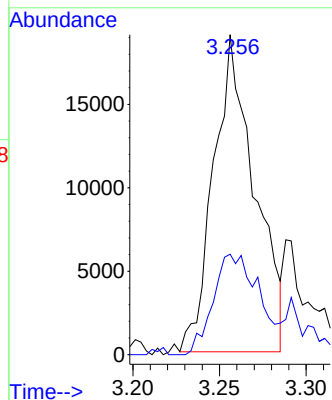
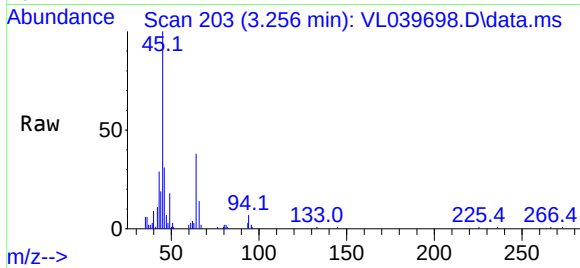




#13  
Ethanol  
Concen: 7.215 ppbv  
RT: 3.256 min Scan# 209  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

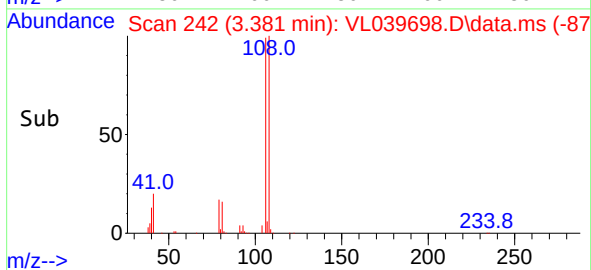
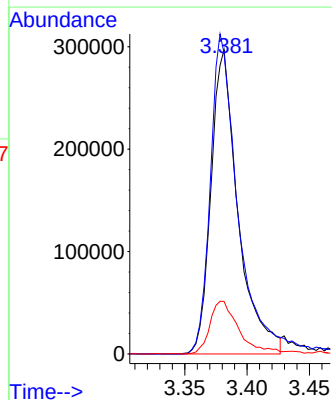
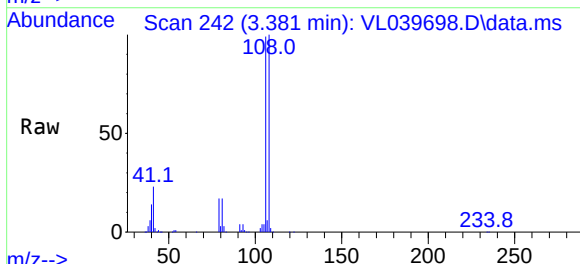
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

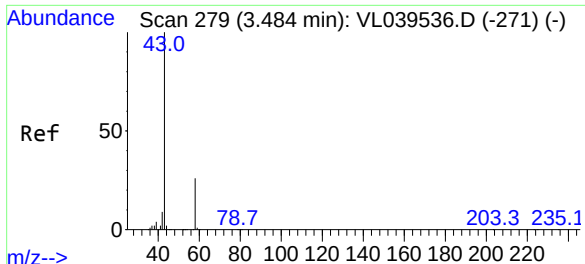
Tgt Ion: 45 Resp: 31270  
Ion Ratio Lower Upper  
45 100  
46 50.2 22.8 91.2



#14  
Bromoethene  
Concen: 9.886 ppbv  
RT: 3.381 min Scan# 242  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 108 Resp: 449125  
Ion Ratio Lower Upper  
108 100  
106 111.1 87.1 130.7  
79 19.8 14.6 22.0

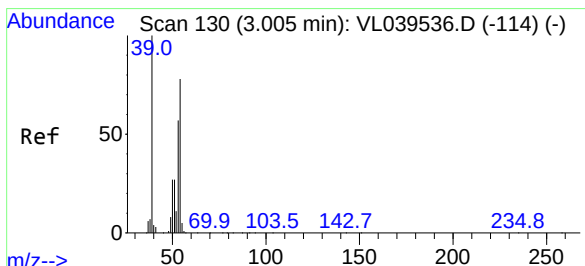
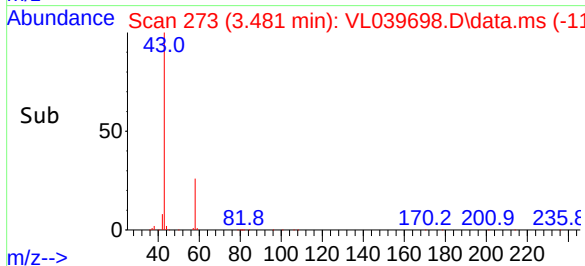
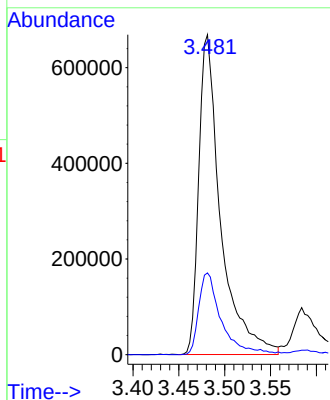
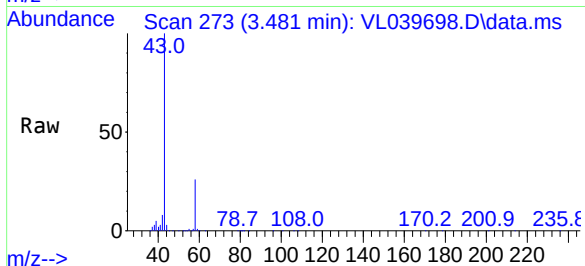




#15  
Acetone  
Concen: 9.508 ppbv  
RT: 3.481 min Scan# 211  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

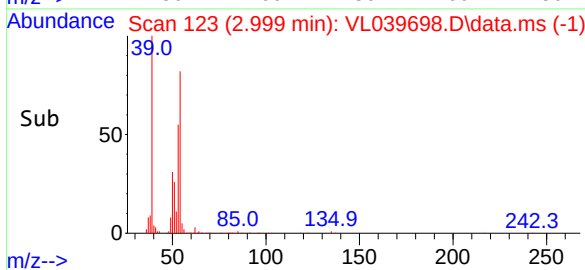
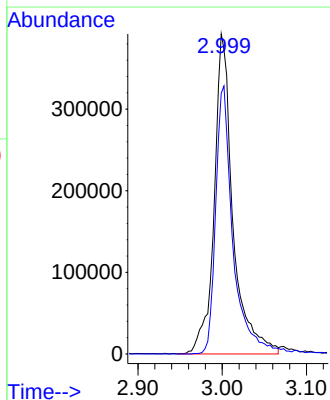
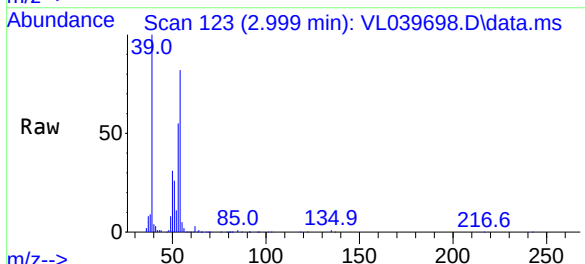
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

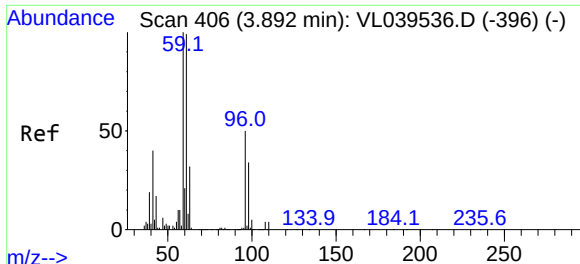
Tgt Ion: 43 Resp: 1110280  
Ion Ratio Lower Upper  
43 100  
58 26.3 21.0 31.6



#16  
1,3-Butadiene  
Concen: 10.253 ppbv  
RT: 2.999 min Scan# 123  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 39 Resp: 607388  
Ion Ratio Lower Upper  
39 100  
54 78.4 63.7 95.5

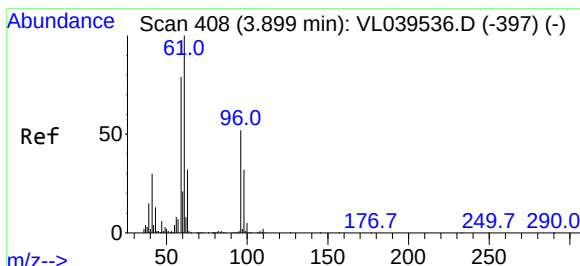
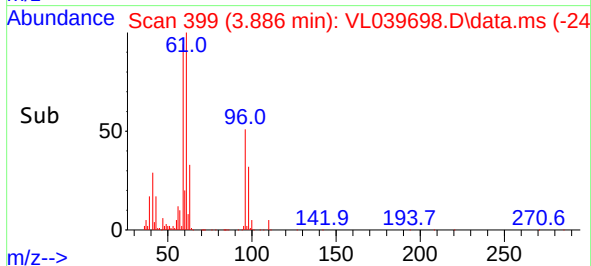
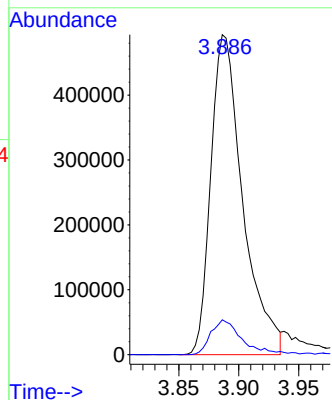
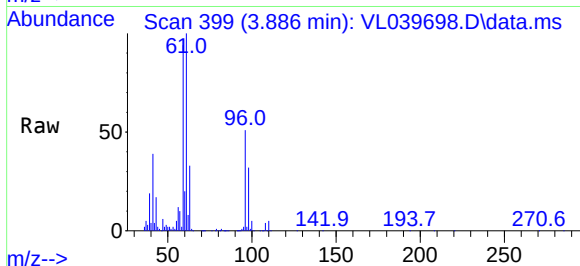




#17  
tert-Butyl alcohol  
Concen: 8.703 ppbv  
RT: 3.886 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

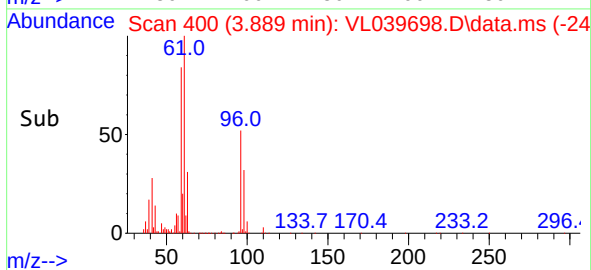
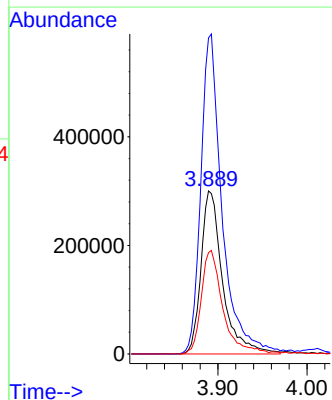
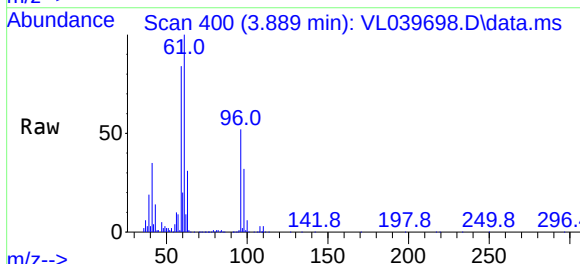
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

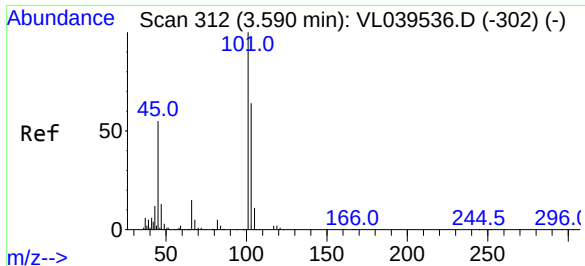
Tgt Ion: 59 Resp: 912022  
Ion Ratio Lower Upper  
59 100  
57 11.1 8.7 13.1



#18  
1,1-Dichloroethene  
Concen: 10.132 ppbv  
RT: 3.889 min Scan# 400  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 96 Resp: 507339  
Ion Ratio Lower Upper  
96 100  
61 193.6 152.2 228.4  
98 62.2 51.8 77.6

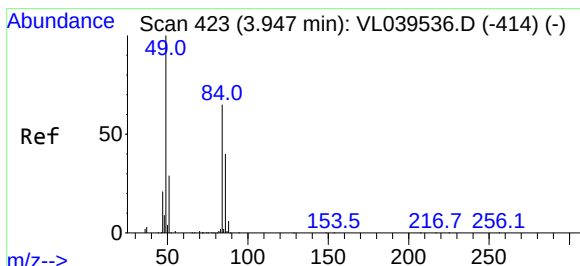
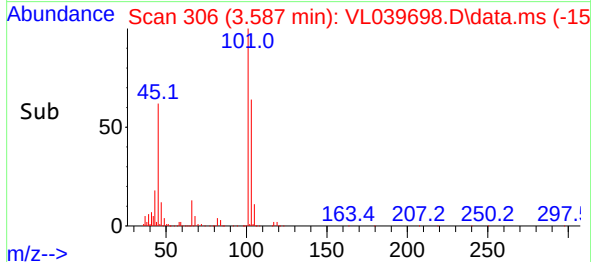
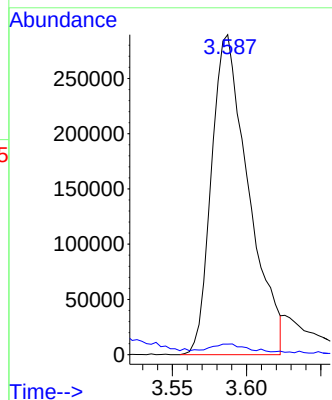
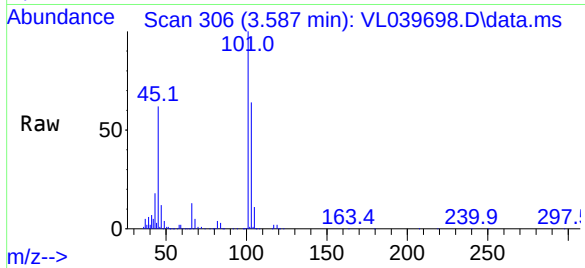




#19  
Isopropyl Alcohol  
Concen: 8.441 ppbv  
RT: 3.587 min Scan# 306  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

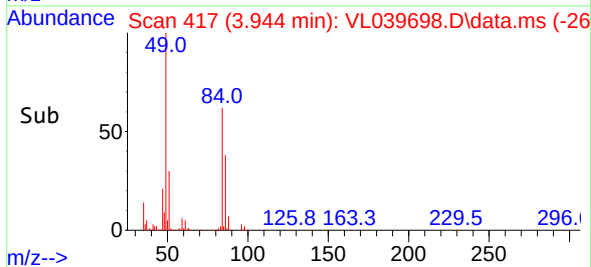
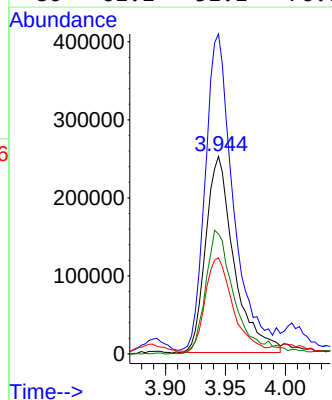
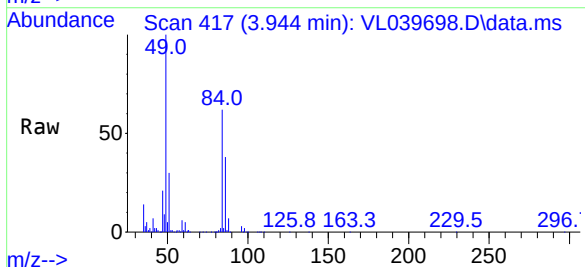
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

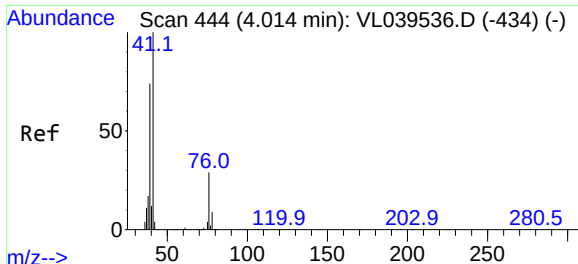
Tgt Ion: 45 Resp: 502428  
Ion Ratio Lower Upper  
45 100  
58 5.1 3.2 4.8#



#20  
Methylene Chloride  
Concen: 7.668 ppbv  
RT: 3.944 min Scan# 417  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 84 Resp: 413991  
Ion Ratio Lower Upper  
84 100  
49 161.1 123.1 184.7  
51 47.5 34.4 51.6  
86 61.1 51.1 76.7

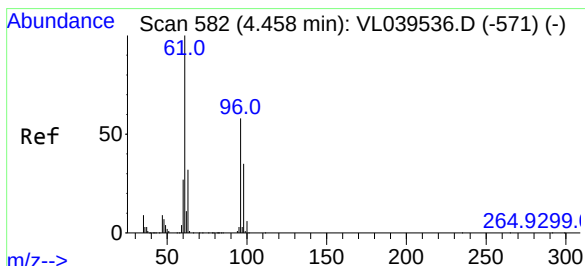
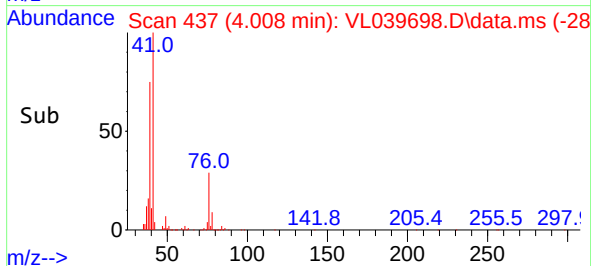
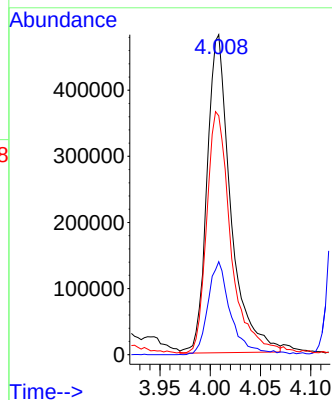
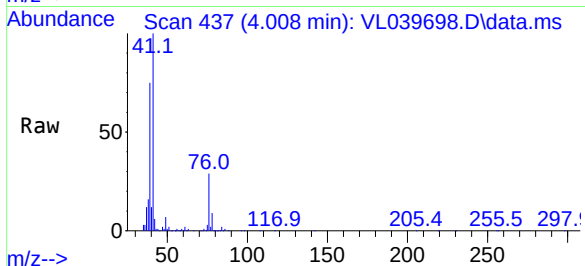




#21  
 Allyl Chloride  
 Concen: 9.905 ppbv  
 RT: 4.008 min Scan# 41  
 Delta R.T. -0.006 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

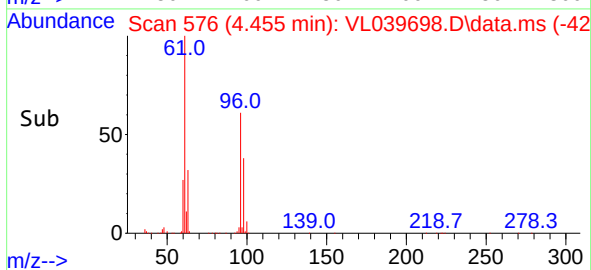
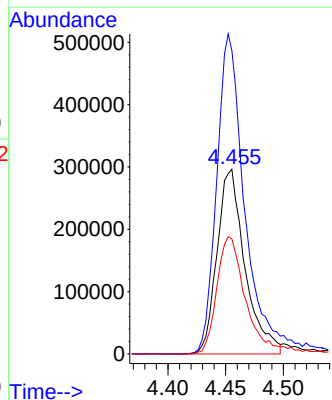
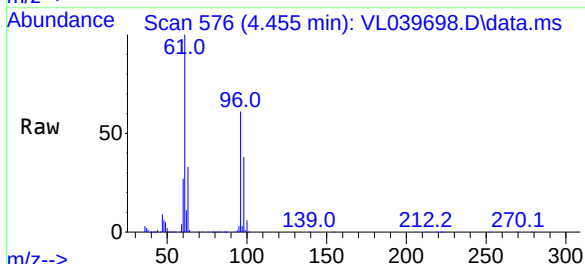
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL1010ABL01

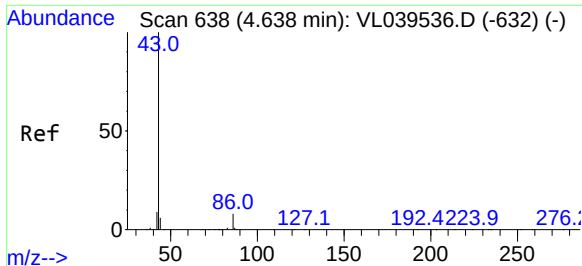
Tgt Ion: 41 Resp: 787635  
 Ion Ratio Lower Upper  
 41 100  
 76 28.4 24.4 36.6  
 39 78.2 63.5 95.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.054 ppbv  
 RT: 4.455 min Scan# 576  
 Delta R.T. -0.003 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 96 Resp: 497995  
 Ion Ratio Lower Upper  
 96 100  
 61 164.2 130.6 195.8  
 98 62.3 53.4 80.0



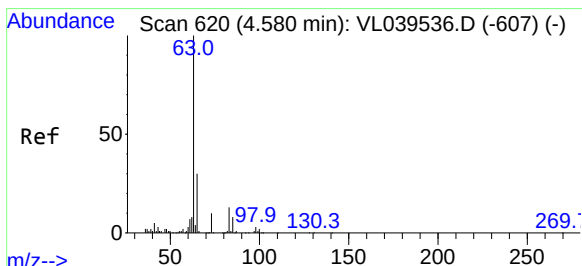
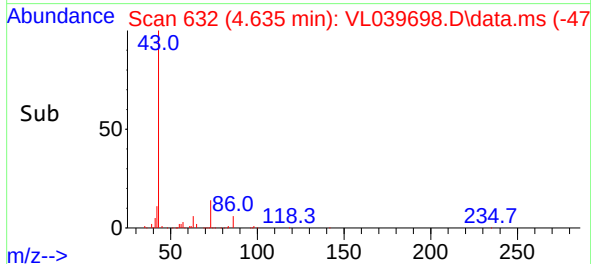
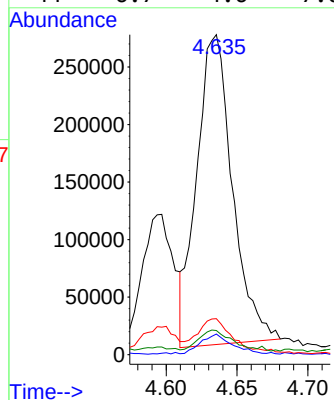
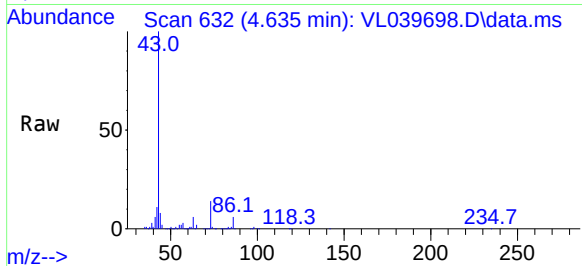


#23  
Vinyl Acetate  
Concen: 8.933 ppbv  
RT: 4.635 min Scan# 612  
Delta R.T. -0.003 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

Tgt Ion: 43 Resp: 471586

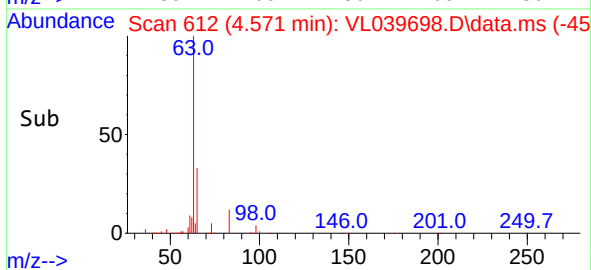
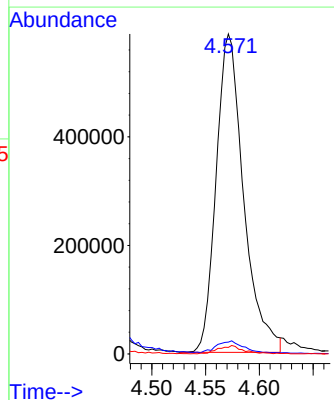
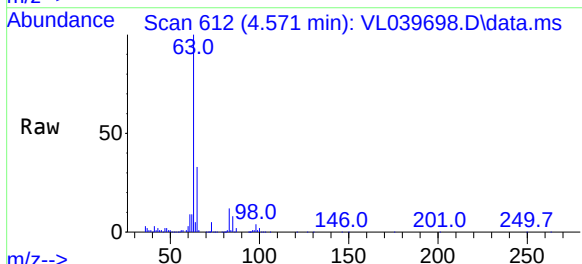
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.1   | 5.0   | 7.6   |
| 42  | 11.0  | 7.7   | 11.5  |
| 44  | 6.7   | 4.6   | 7.0   |

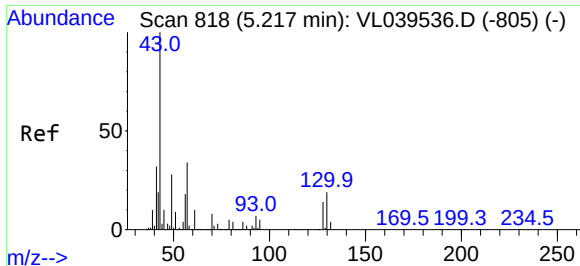


#24  
1,1-Dichloroethane  
Concen: 9.907 ppbv  
RT: 4.571 min Scan# 612  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 63 Resp: 1041504

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.4   | 1.8   | 5.3   |
| 100 | 2.0   | 1.5   | 4.4   |





#25

Ethyl Acetate

Concen: 9.528 ppbv

RT: 5.211 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Instrument :

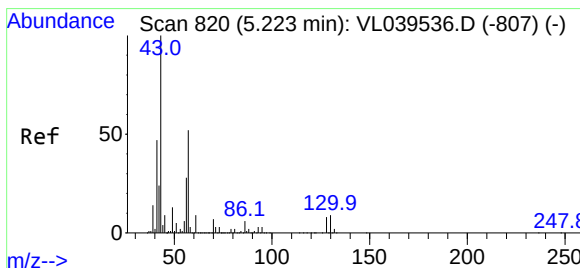
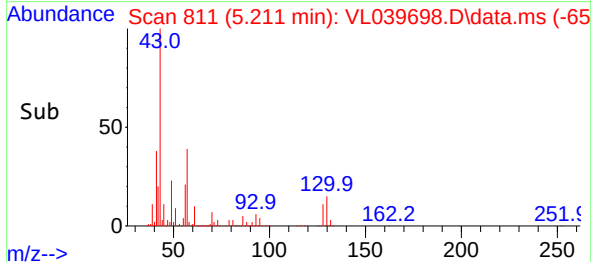
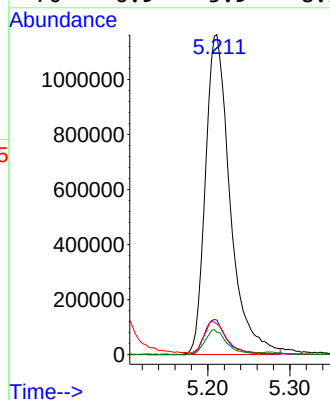
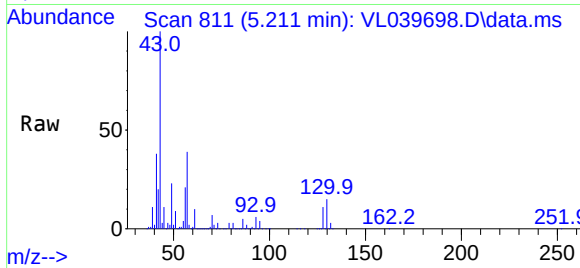
MSVOA\_L

ClientSampleId :

VL1010ABL01

Tgt Ion: 43 Resp: 2426103

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.4  | 8.2   | 12.4  |
| 61  | 10.3  | 8.3   | 12.5  |
| 70  | 6.9   | 5.9   | 8.9   |



#26

Hexane

Concen: 9.224 ppbv

RT: 5.217 min Scan# 813

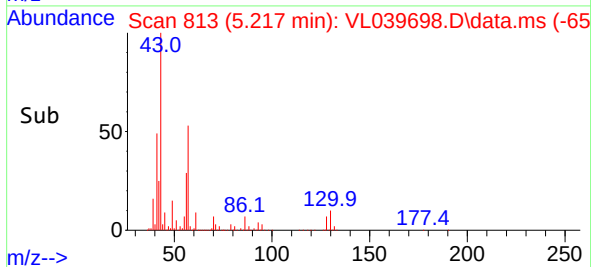
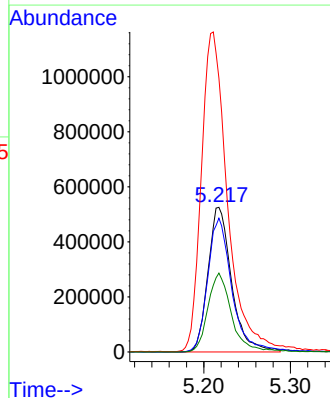
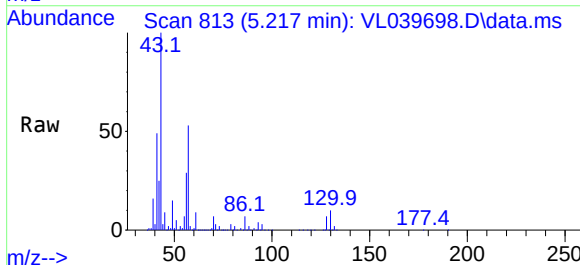
Delta R.T. -0.006 min

Lab File: VL039698.D

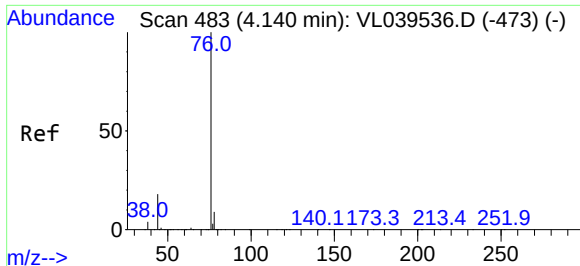
Acq: 10 Oct 2022 16:55

Tgt Ion: 57 Resp: 996762

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 96.0  | 76.9  | 115.3 |
| 43  | 247.7 | 191.0 | 286.6 |
| 56  | 54.9  | 43.2  | 64.8  |





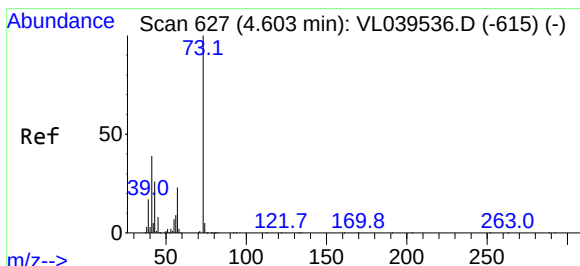
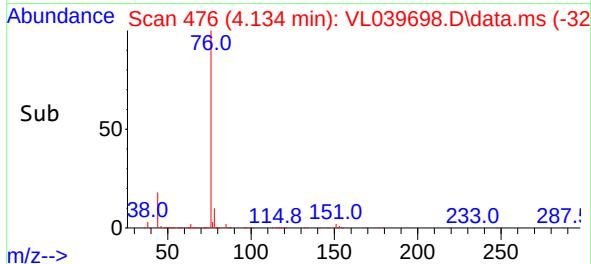
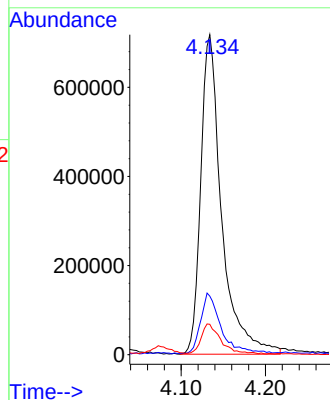
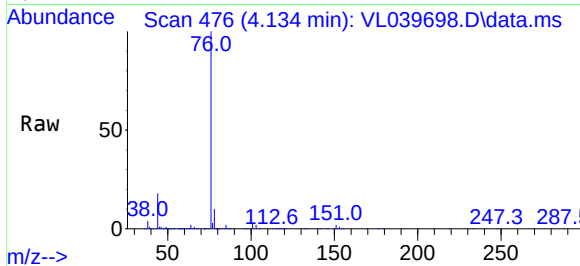


#27  
Carbon Disulfide  
Concen: 10.907 ppbv  
RT: 4.134 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion: 76 Resp: 1238662

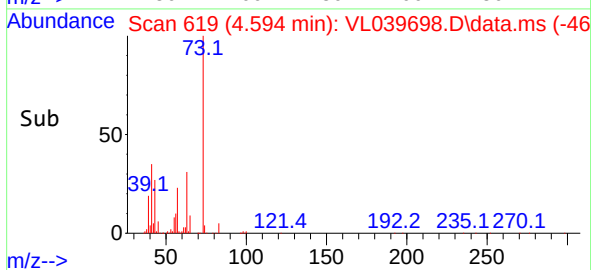
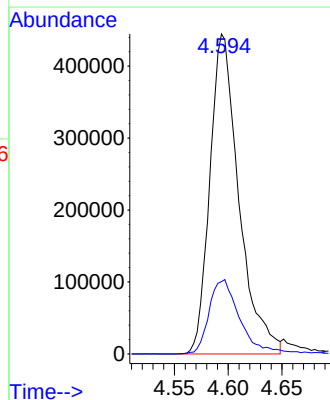
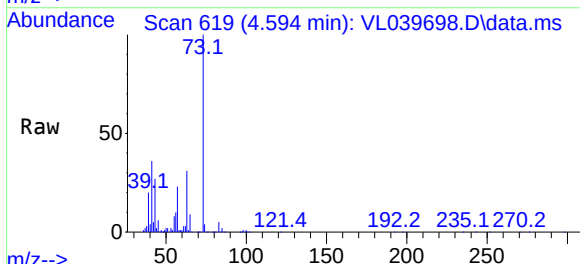
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 19.0  | 14.6  | 21.8  |
| 78  | 9.5   | 7.8   | 11.6  |

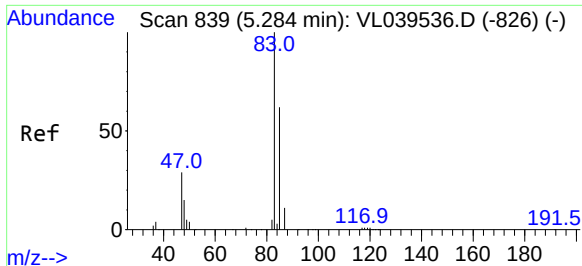


#28  
Methyl tert-Butyl Ether  
Concen: 9.187 ppbv  
RT: 4.594 min Scan# 619  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 73 Resp: 834067

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 25.1  | 19.8  | 29.8  |





#29

Chloroform

Concen: 9.643 ppbv

RT: 5.275 min Scan# 81

Delta R.T. -0.009 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Instrument :

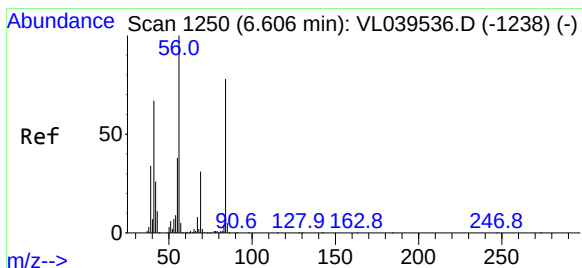
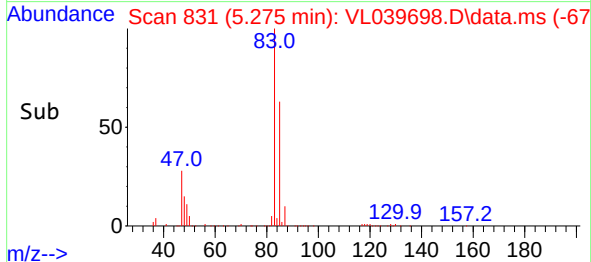
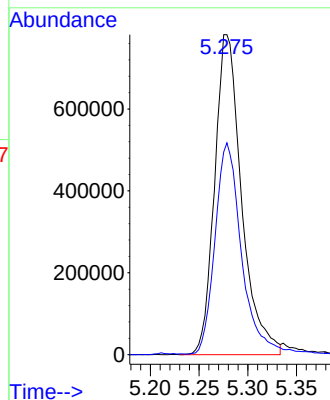
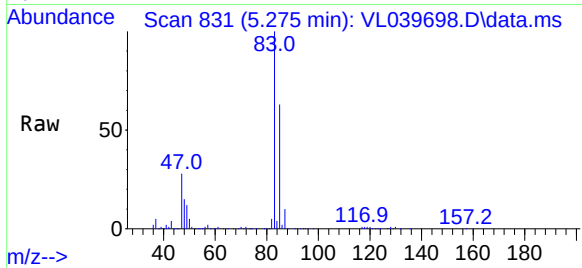
MSVOA\_L

ClientSampleId :

VL1010ABL01

Tgt Ion: 83 Resp: 1504223

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 63.1  | 52.8  | 79.2  |



#30

Cyclohexane

Concen: 10.170 ppbv

RT: 6.600 min Scan# 1243

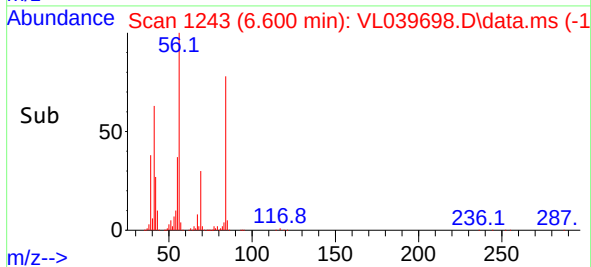
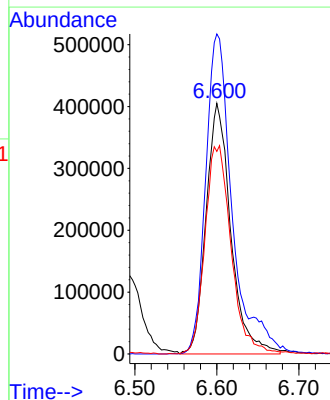
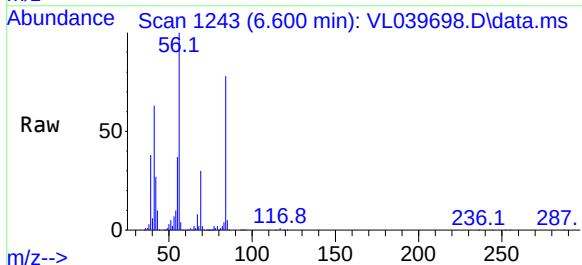
Delta R.T. -0.006 min

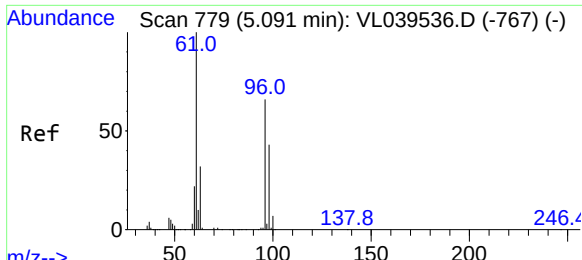
Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Tgt Ion: 84 Resp: 851046

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 56  | 137.9 | 107.7 | 161.5 |
| 41  | 88.3  | 67.7  | 101.5 |

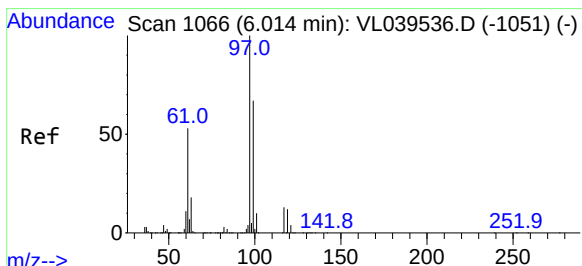
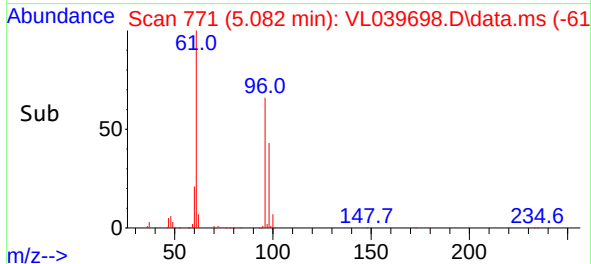
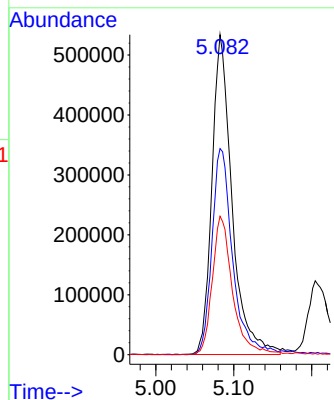
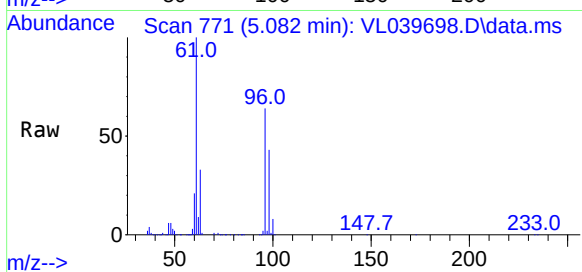




#31  
 cis-1,2-Dichloroethene  
 Concen: 9.785 ppbv  
 RT: 5.082 min Scan# 71  
 Delta R.T. -0.009 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

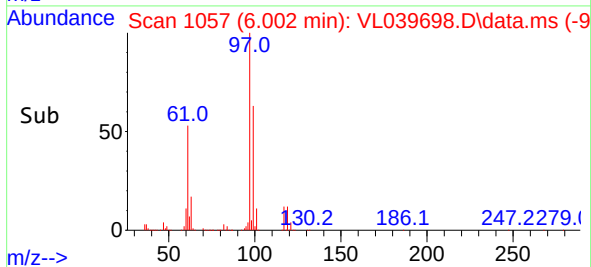
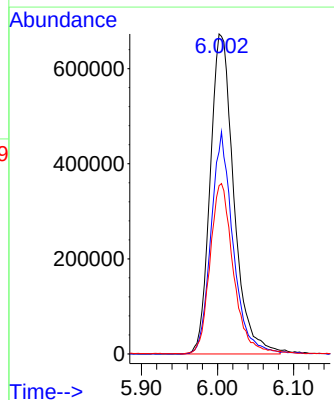
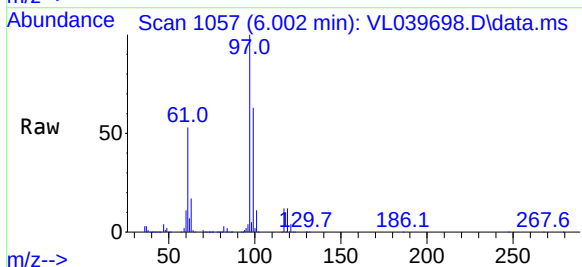
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL1010ABL01

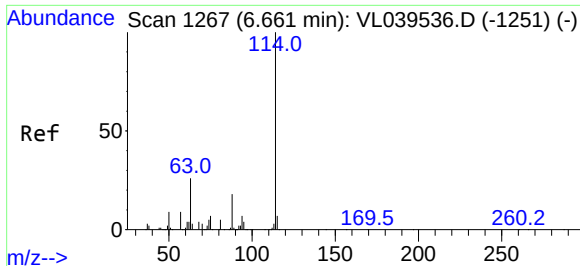
Tgt Ion: 61 Resp: 956295  
 Ion Ratio Lower Upper  
 61 100  
 96 64.4 54.1 81.1  
 98 43.3 34.6 52.0



#32  
 1,1,1-Trichloroethane  
 Concen: 10.283 ppbv  
 RT: 6.002 min Scan# 1057  
 Delta R.T. -0.012 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 97 Resp: 1452238  
 Ion Ratio Lower Upper  
 97 100  
 99 65.2 52.3 78.5  
 61 53.2 40.9 61.3

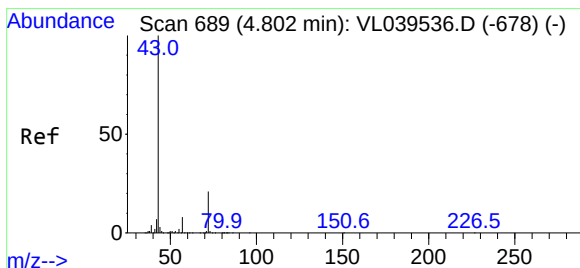
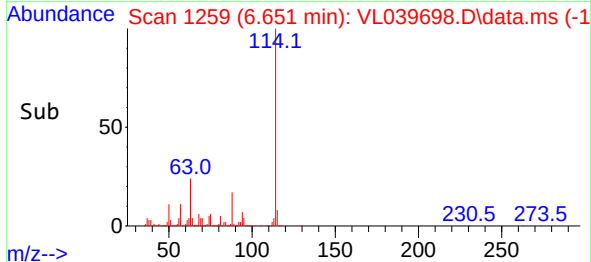
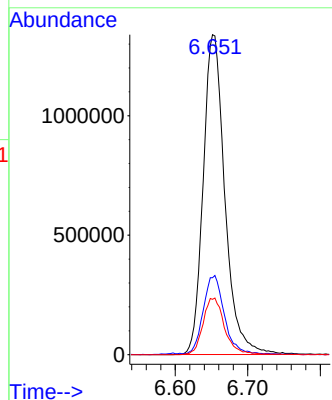
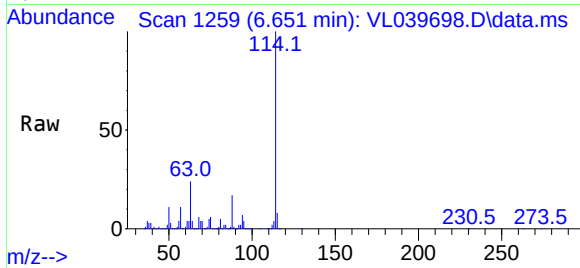




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.651 min Scan# 11  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

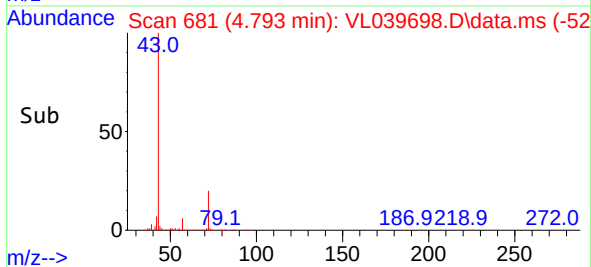
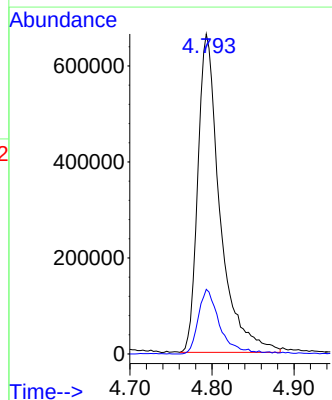
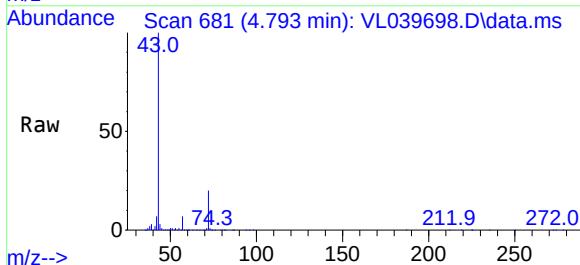
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

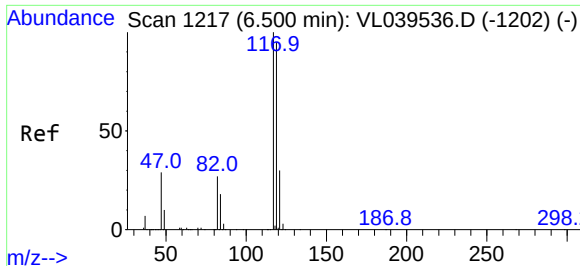
Tgt Ion:114 Resp: 2782873  
Ion Ratio Lower Upper  
114 100  
63 24.9 20.2 30.4  
88 17.7 14.5 21.7



#34  
2-Butanone  
Concen: 9.094 ppbv  
RT: 4.793 min Scan# 681  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 43 Resp: 1243088  
Ion Ratio Lower Upper  
43 100  
72 20.5 17.9 26.9



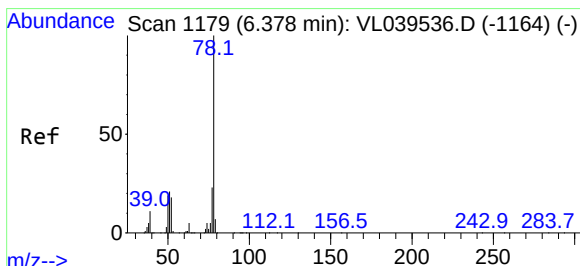
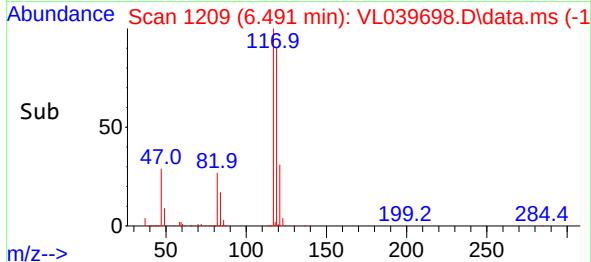
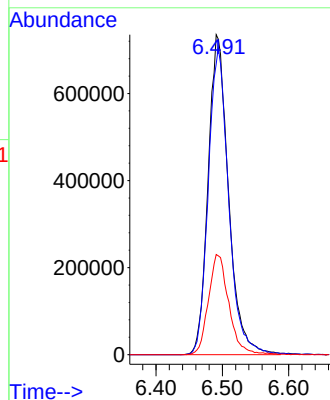
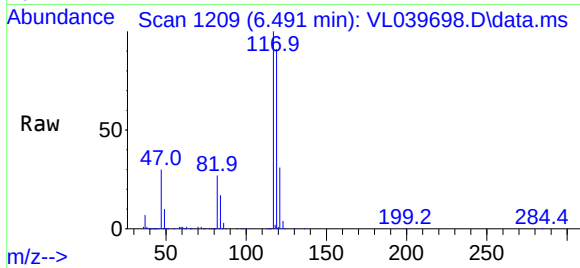


#35  
Carbon Tetrachloride  
Concen: 10.626 ppbv  
RT: 6.491 min Scan# 117  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion:117 Resp: 1569767

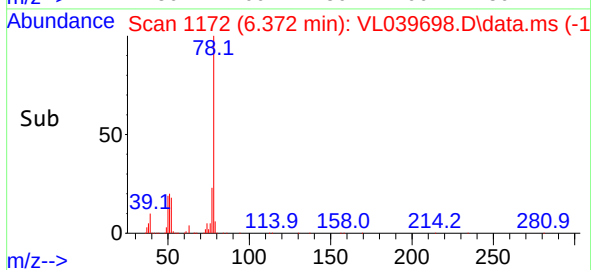
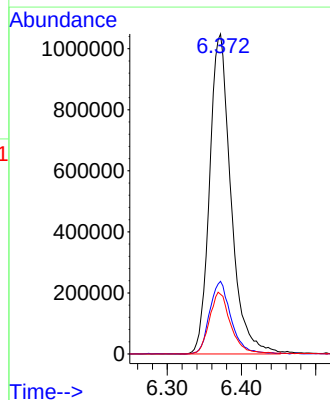
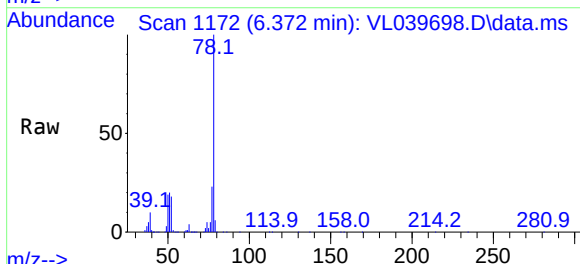
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 90.8  | 75.4  | 113.2 |
| 121 | 31.3  | 24.2  | 36.2  |

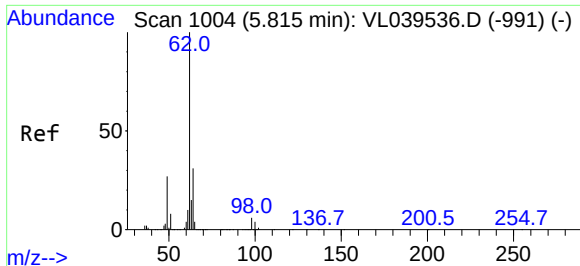


#36  
Benzene  
Concen: 9.819 ppbv  
RT: 6.372 min Scan# 1172  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 78 Resp: 2089033

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 22.7  | 20.3  | 30.5  |
| 50  | 18.6  | 15.5  | 23.3  |

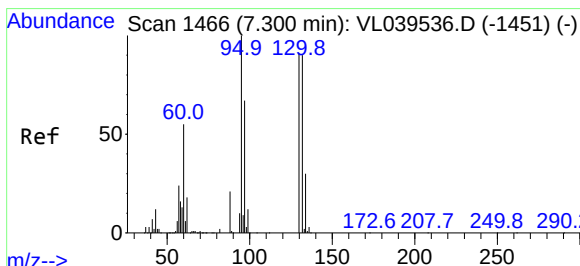
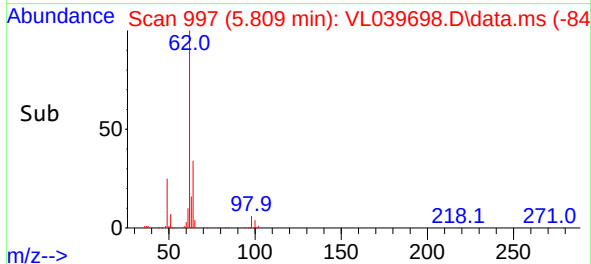
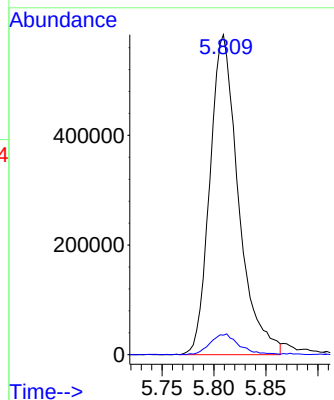
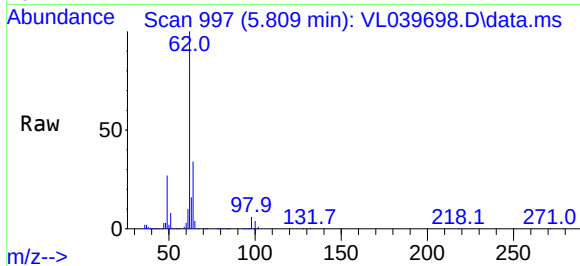




#37  
1,2-Dichloroethane  
Concen: 9.630 ppbv  
RT: 5.809 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

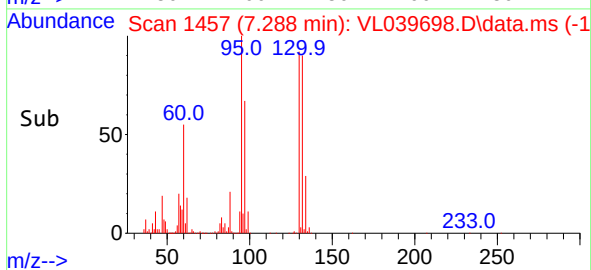
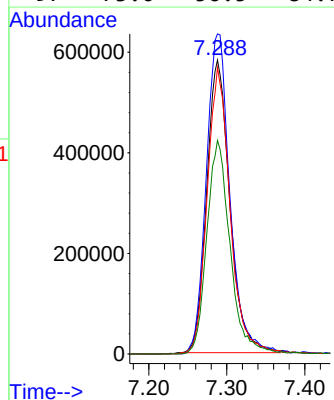
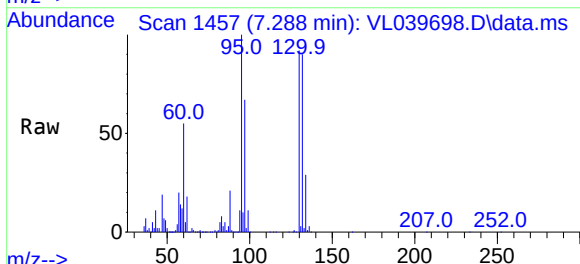
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

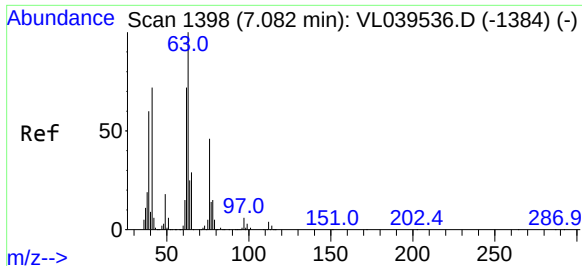
Tgt Ion: 62 Resp: 1115120  
Ion Ratio Lower Upper  
62 100  
98 6.9 5.1 7.7



#38  
Trichloroethene  
Concen: 10.474 ppbv  
RT: 7.288 min Scan# 1457  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:130 Resp: 1204389  
Ion Ratio Lower Upper  
130 100  
95 109.3 87.3 130.9  
132 97.8 76.7 115.1  
97 73.0 56.5 84.7

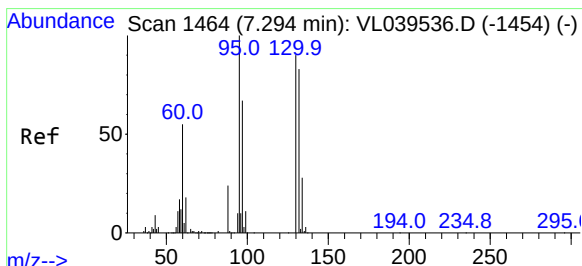
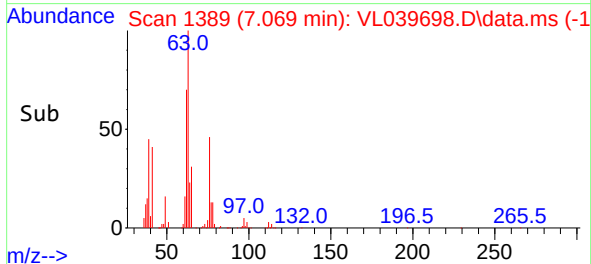
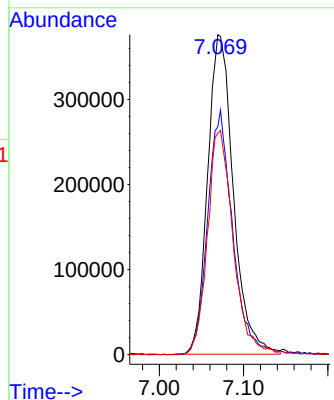
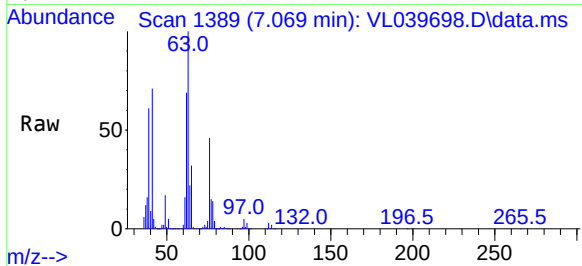




#39  
1,2-Dichloropropane  
Concen: 9.705 ppbv  
RT: 7.069 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

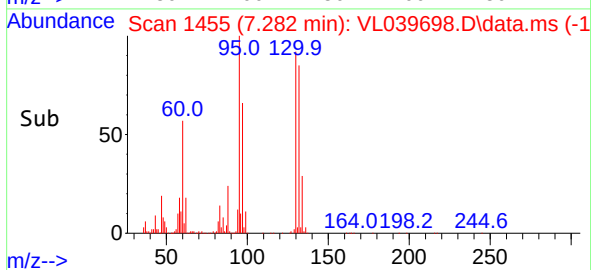
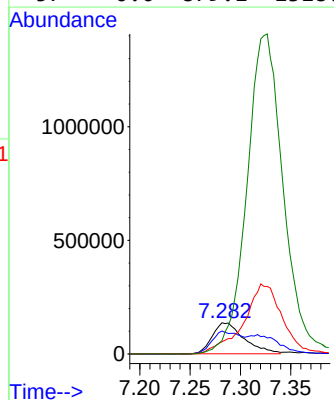
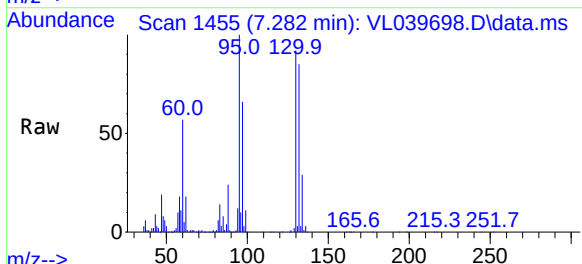
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

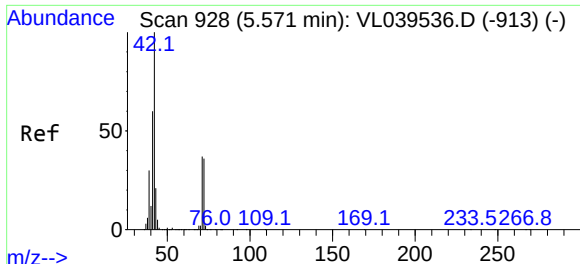
Tgt Ion: 63 Resp: 797314  
Ion Ratio Lower Upper  
63 100  
41 71.2 59.6 89.4  
62 69.1 51.4 77.0



#40  
1,4-Dioxane  
Concen: 9.018 ppbv  
RT: 7.282 min Scan# 1455  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 88 Resp: 302509  
Ion Ratio Lower Upper  
88 100  
58 127.1 100.2 150.4  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#

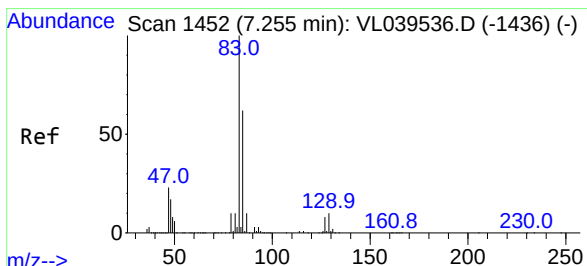
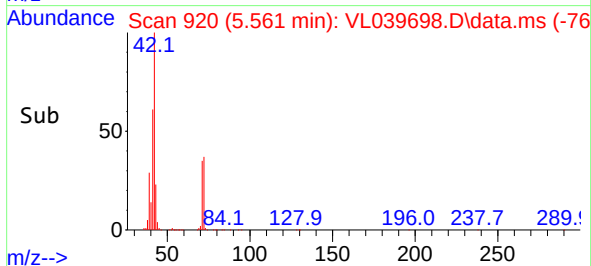
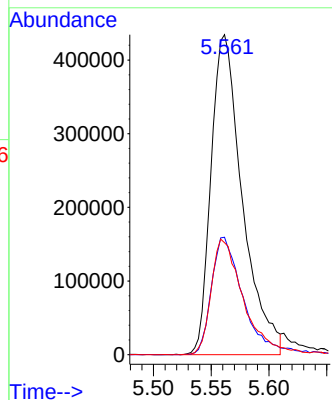
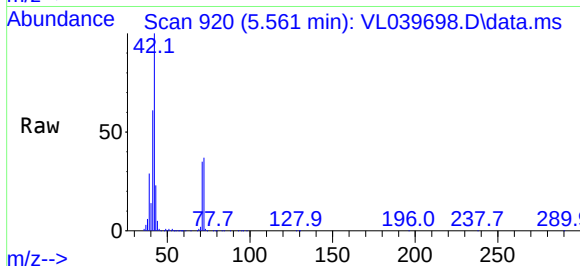




#41  
Tetrahydrofuran  
Concen: 9.765 ppbv  
RT: 5.561 min Scan# 91  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

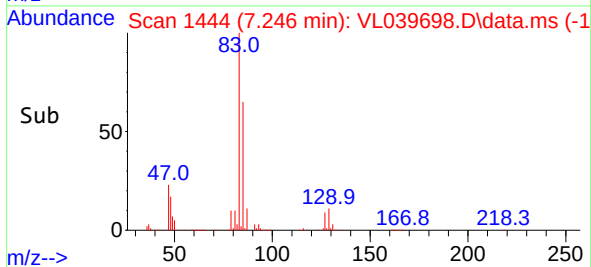
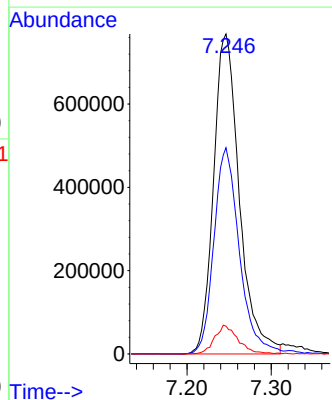
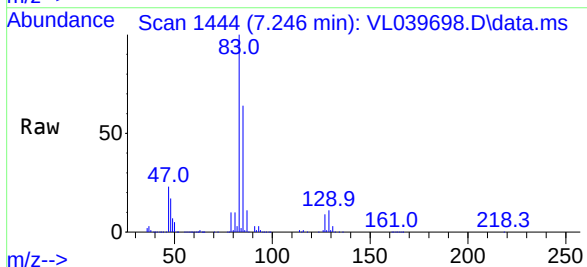
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion: 42 Resp: 818871  
Ion Ratio Lower Upper  
42 100  
72 38.2 31.8 47.8  
71 38.1 31.8 47.8

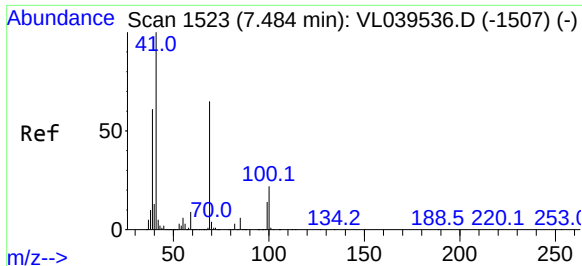


#42  
Bromodichloromethane  
Concen: 10.133 ppbv  
RT: 7.246 min Scan# 1444  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 83 Resp: 1632106  
Ion Ratio Lower Upper  
83 100  
85 64.5 50.7 76.1  
127 8.7 6.6 9.8







#43

Methyl Methacrylate

Concen: 10.384 ppbv

RT: 7.471 min Scan# 1

Delta R.T. -0.012 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Instrument :

MSVOA\_L

ClientSampleId :

VL1010ABL01

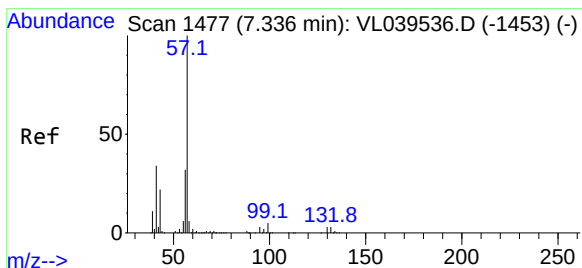
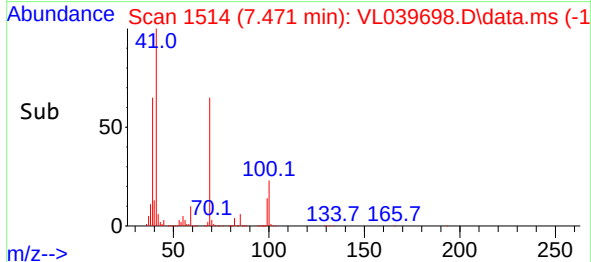
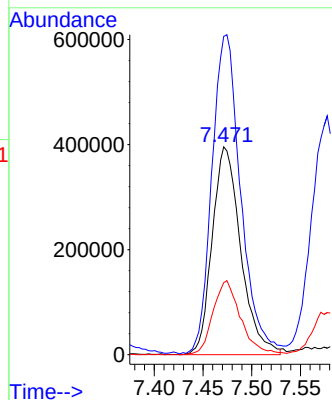
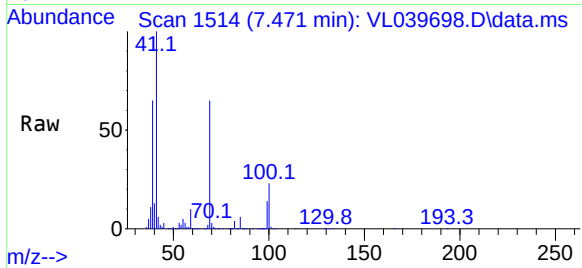
Tgt Ion: 69 Resp: 805380

Ion Ratio Lower Upper

69 100

41 155.6 120.8 181.2

100 34.6 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 9.700 ppbv

RT: 7.327 min Scan# 1469

Delta R.T. -0.009 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

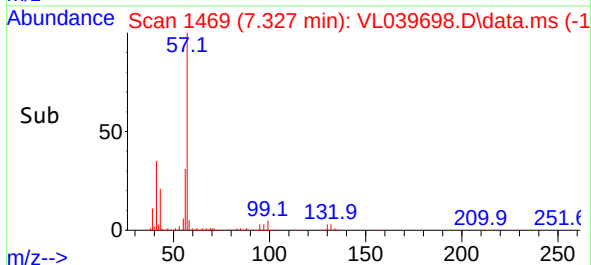
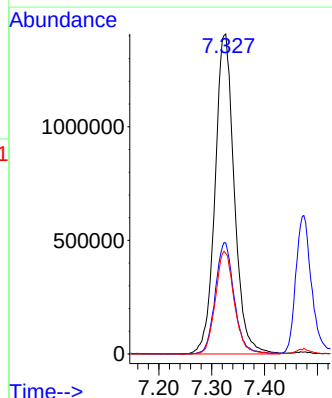
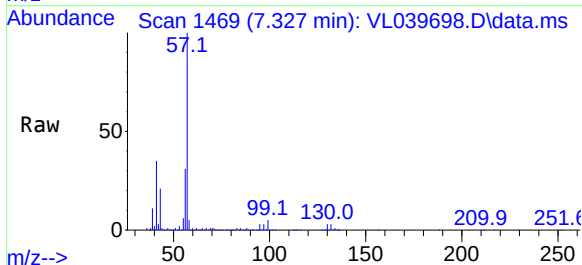
Tgt Ion: 57 Resp: 3557149

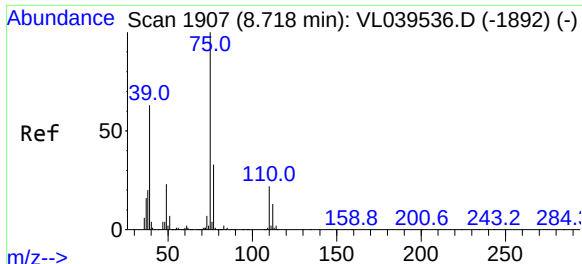
Ion Ratio Lower Upper

57 100

41 34.1 27.4 41.2

56 31.5 24.5 36.7

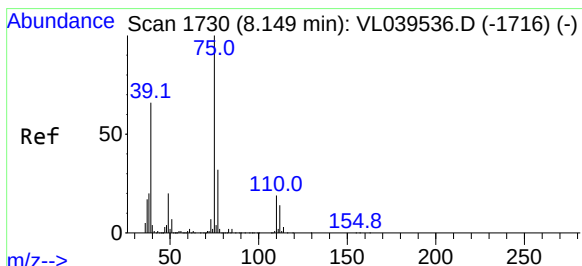
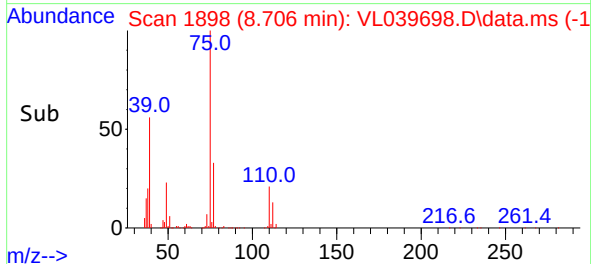
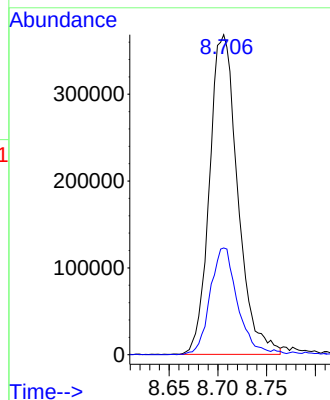
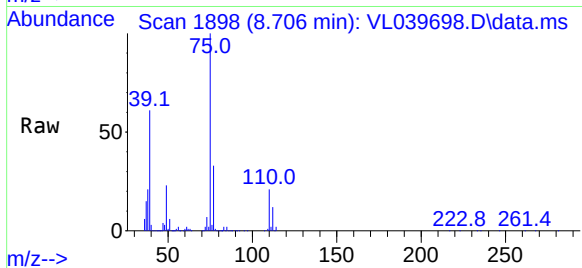




#45  
t-1,3-Dichloropropene  
Concen: 11.323 ppbv  
RT: 8.706 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

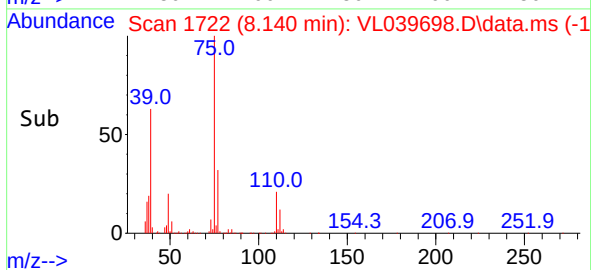
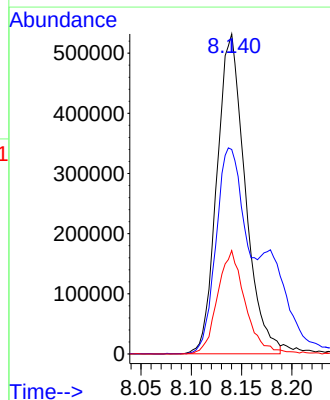
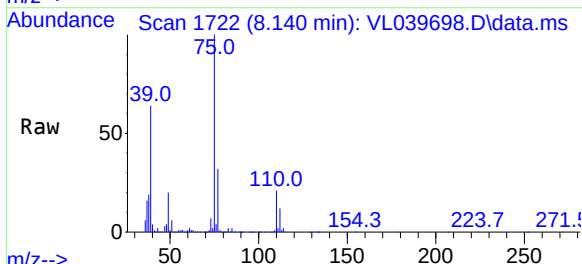
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

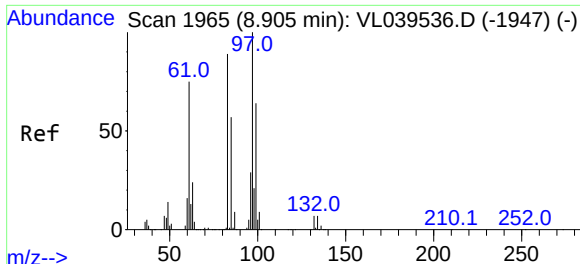
Tgt Ion: 75 Resp: 742105  
Ion Ratio Lower Upper  
75 100  
77 33.3 24.6 36.8



#46  
cis-1,3-Dichloropropene  
Concen: 11.133 ppbv  
RT: 8.140 min Scan# 1722  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 75 Resp: 1038727  
Ion Ratio Lower Upper  
75 100  
39 63.9 55.0 82.4  
77 32.3 25.7 38.5



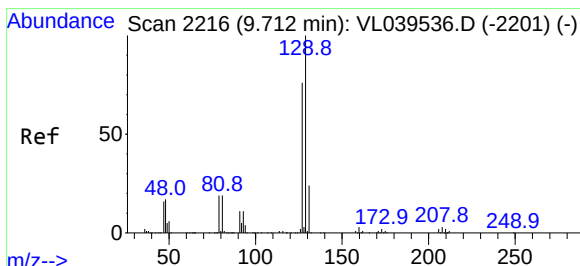
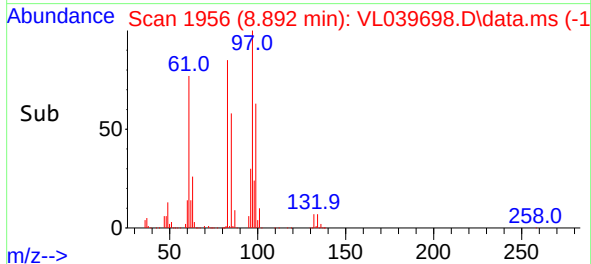
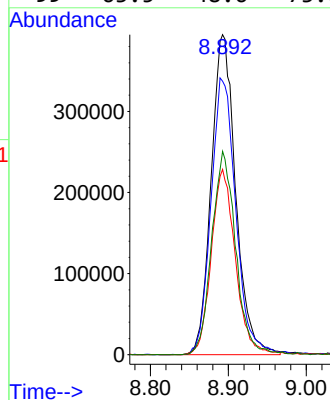
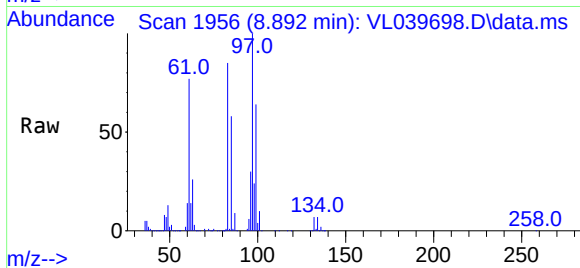


#47  
1,1,2-Trichloroethane  
Concen: 9.598 ppbv  
RT: 8.892 min Scan# 1965  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion: 97 Resp: 861892

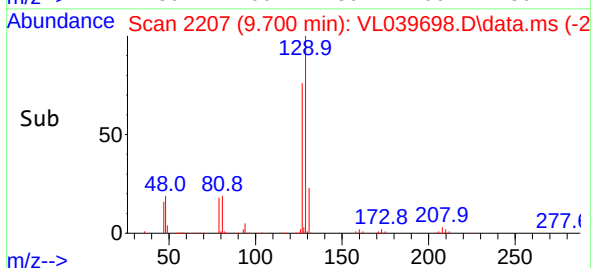
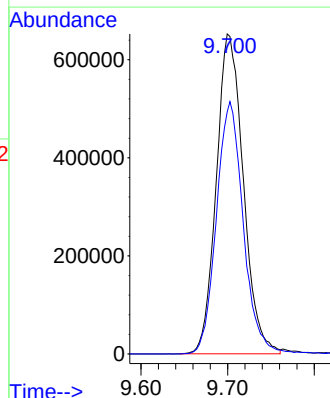
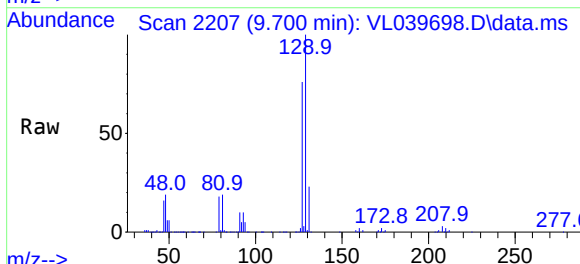
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 85.4  | 67.4  | 101.0 |
| 85  | 57.9  | 45.1  | 67.7  |
| 99  | 63.5  | 48.6  | 73.0  |

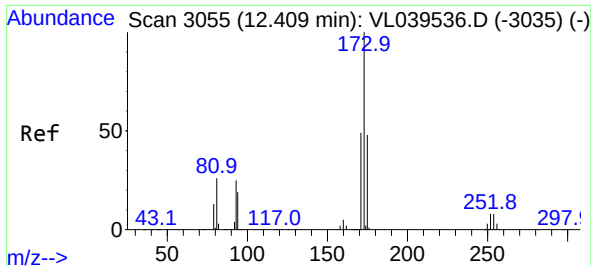


#48  
Dibromochloromethane  
Concen: 10.456 ppbv  
RT: 9.700 min Scan# 2207  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 129 Resp: 1413956

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 78.7  | 39.3  | 117.9 |

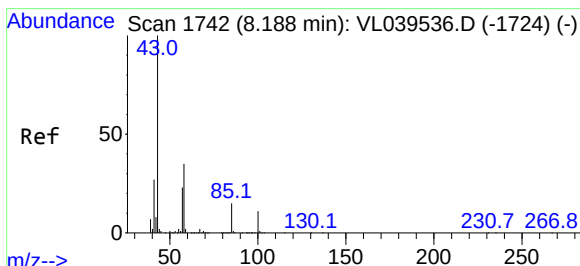
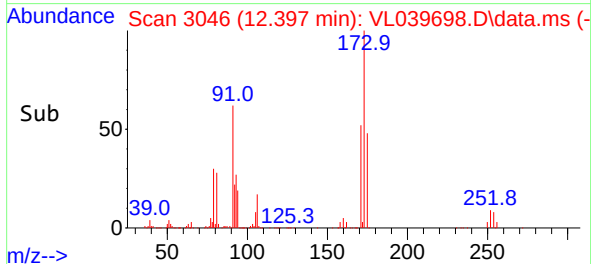
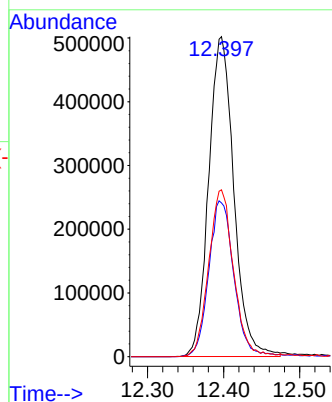
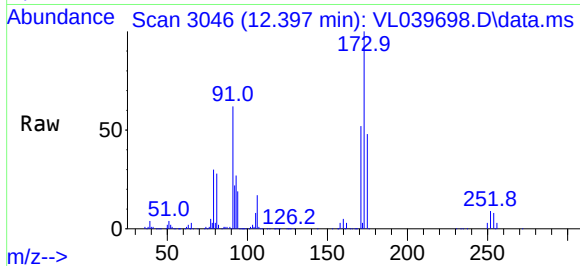




#49  
Bromoform  
Concen: 10.298 ppbv  
RT: 12.397 min Scan# 3055  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

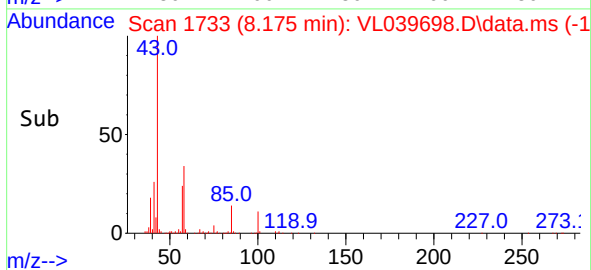
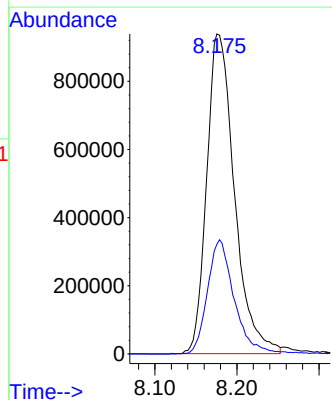
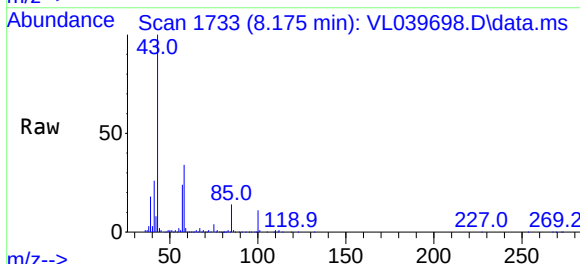
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

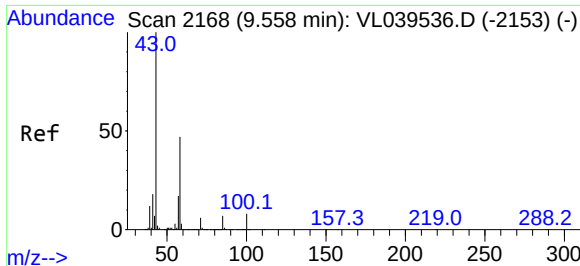
Tgt Ion:173 Resp: 1151709  
Ion Ratio Lower Upper  
173 100  
175 49.4 40.3 60.5  
171 52.2 42.9 64.3



#50  
4-Methyl-2-Pentanone  
Concen: 10.282 ppbv  
RT: 8.175 min Scan# 1733  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 43 Resp: 2208523  
Ion Ratio Lower Upper  
43 100  
58 34.9 28.8 43.2

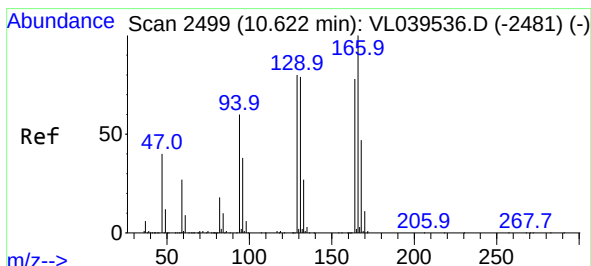
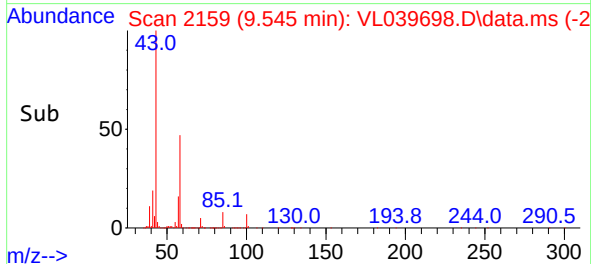
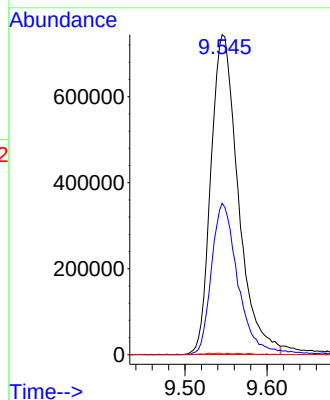
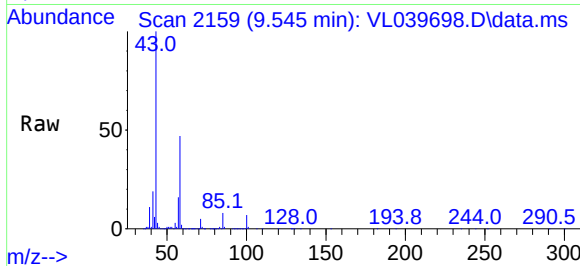




#51  
2-Hexanone  
Concen: 10.827 ppbv  
RT: 9.545 min Scan# 2168  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

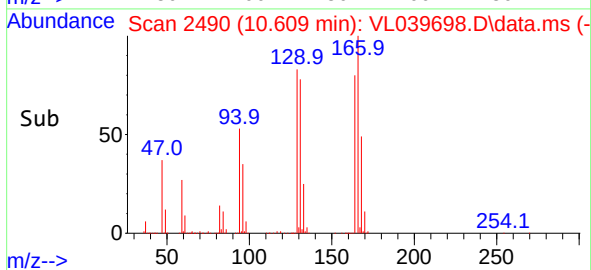
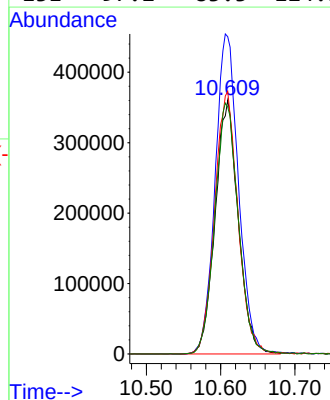
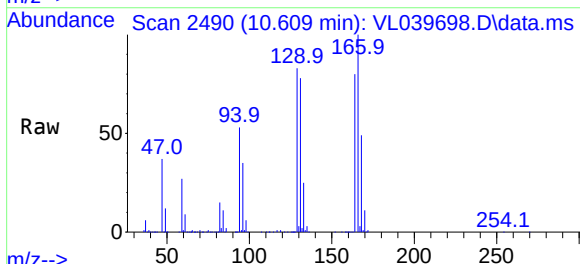
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

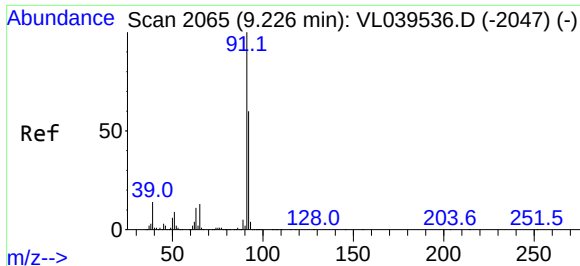
Tgt Ion: 43 Resp: 1721408  
Ion Ratio Lower Upper  
43 100  
58 46.9 38.4 57.6  
98 0.3 0.3 0.5



#52  
Tetrachloroethene  
Concen: 9.572 ppbv  
RT: 10.609 min Scan# 2490  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:164 Resp: 776925  
Ion Ratio Lower Upper  
164 100  
166 125.0 102.2 153.2  
129 103.4 85.8 128.8  
131 97.2 83.3 124.9

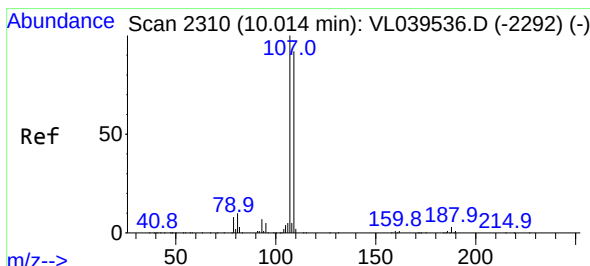
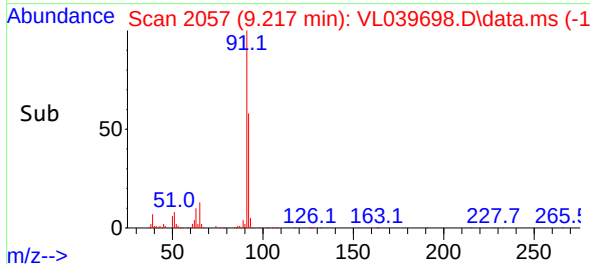
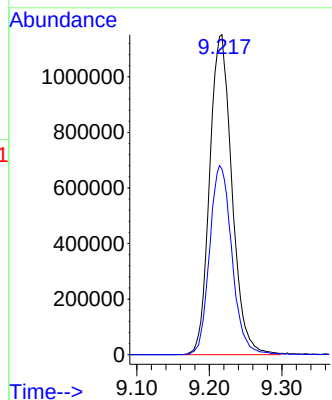
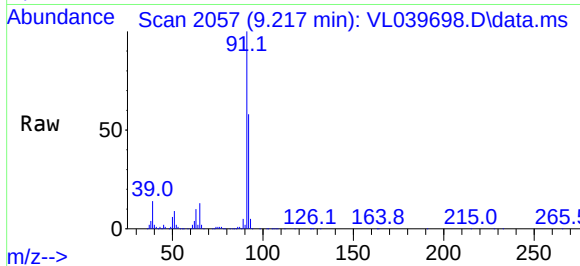




#53  
Toluene  
Concen: 10.387 ppbv  
RT: 9.217 min Scan# 2065  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

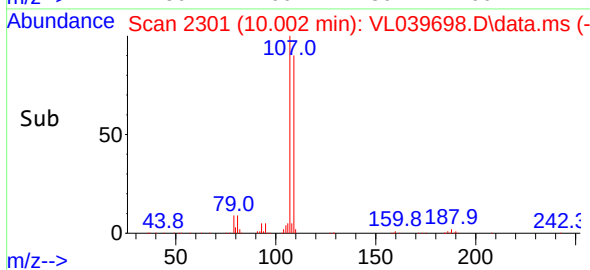
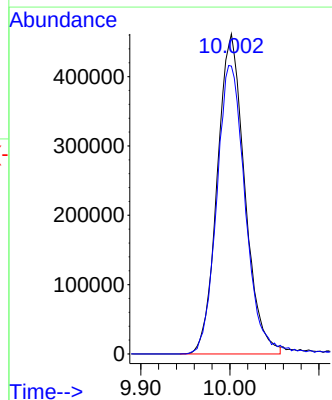
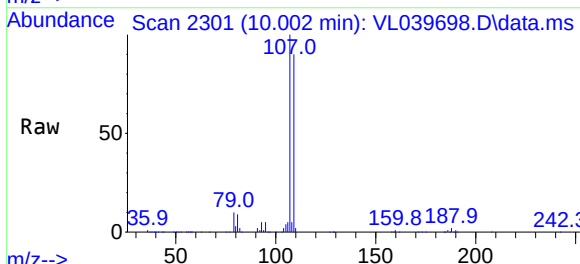
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

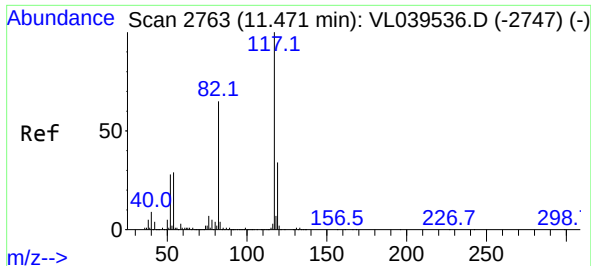
Tgt Ion: 91 Resp: 2457985  
Ion Ratio Lower Upper  
91 100  
92 59.4 48.2 72.2



#54  
1,2-Dibromoethane  
Concen: 10.291 ppbv  
RT: 10.002 min Scan# 2301  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 107 Resp: 988607  
Ion Ratio Lower Upper  
107 100  
109 89.9 74.8 112.2



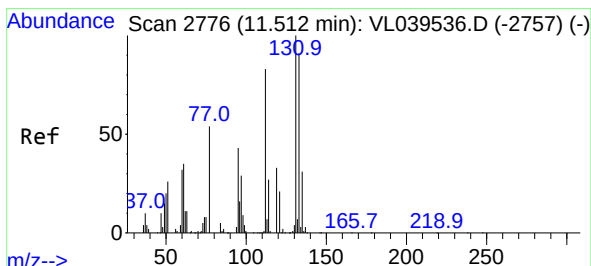
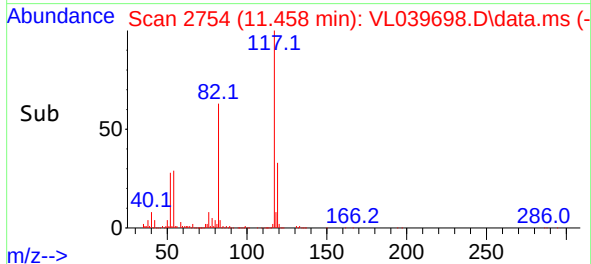
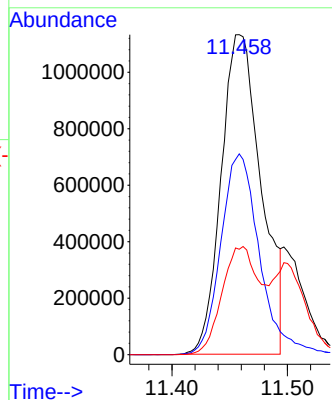
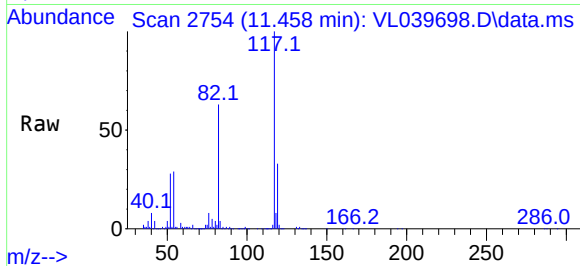


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.458 min Scan# 21  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

Tgt Ion:117 Resp: 2735994

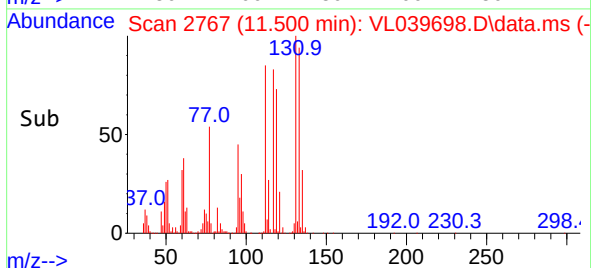
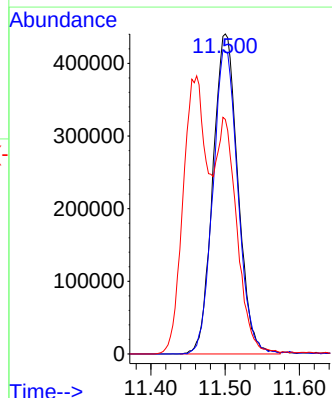
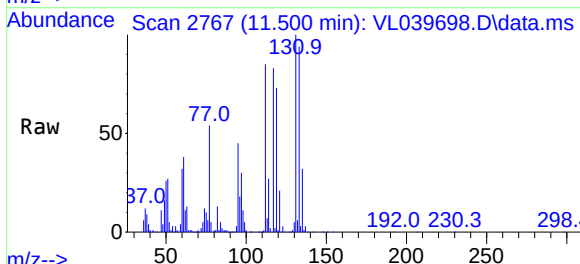
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 61.5  | 50.8  | 76.2  |
| 119 | 29.2  | 24.1  | 36.1  |

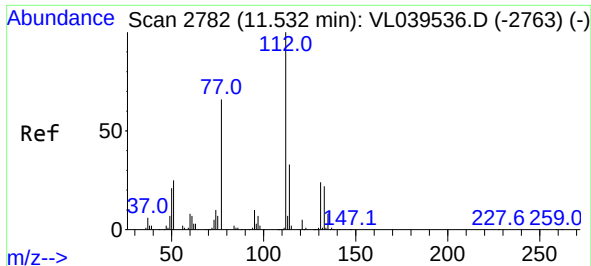


#56  
1,1,1,2-Tetrachloroethane  
Concen: 9.347 ppbv  
RT: 11.500 min Scan# 2767  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:131 Resp: 1033422

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 131 | 100   |       |       |
| 133 | 95.2  | 76.8  | 115.2 |
| 119 | 60.9  | 46.2  | 69.4  |

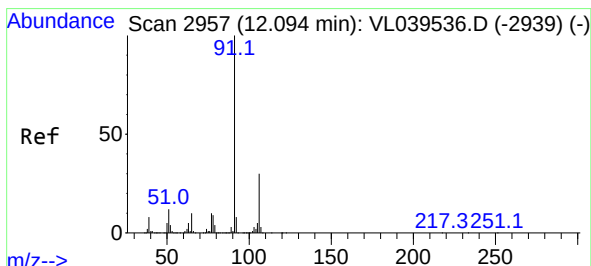
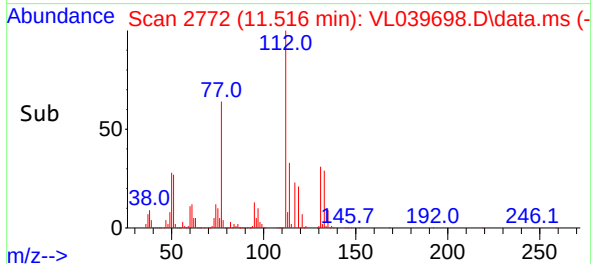
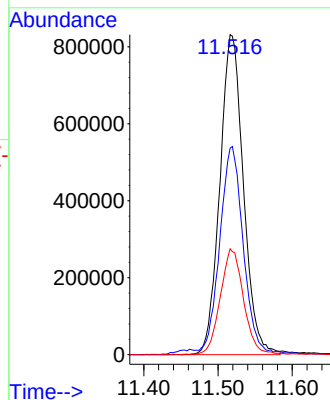
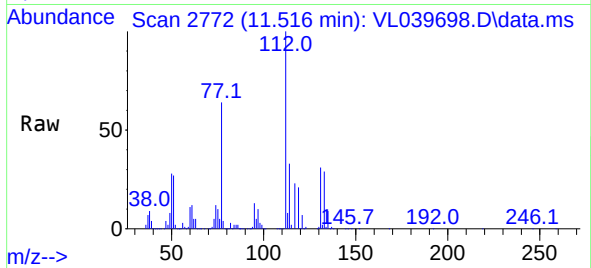




#57  
Chlorobenzene  
Concen: 9.115 ppbv  
RT: 11.516 min Scan# 21  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

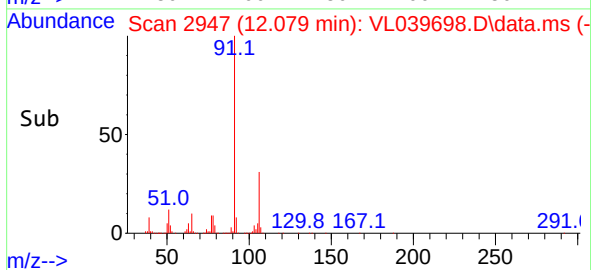
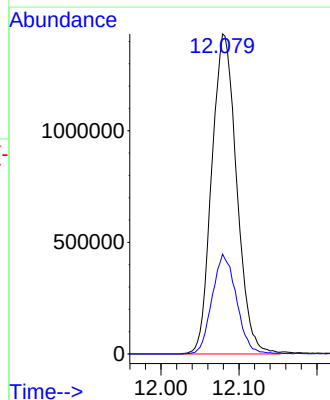
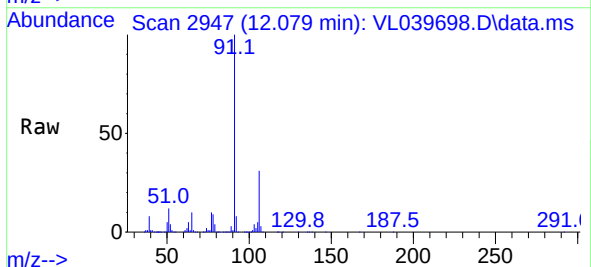
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion:112 Resp: 1833934  
Ion Ratio Lower Upper  
112 100  
77 63.6 51.0 76.4  
114 33.1 27.5 33.6

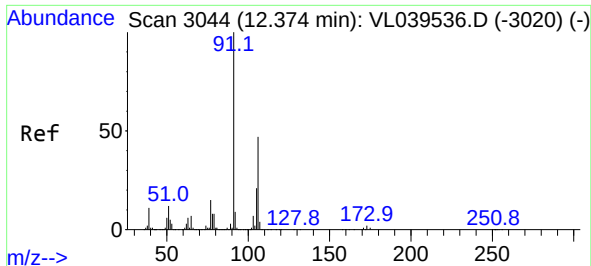


#58  
Ethyl Benzene  
Concen: 10.091 ppbv  
RT: 12.079 min Scan# 2947  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 91 Resp: 3183181  
Ion Ratio Lower Upper  
91 100  
106 31.2 25.4 38.0







#59

m/p-Xylene

Concen: 10.480 ppbv

RT: 12.362 min Scan# 3044

Delta R.T. -0.012 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Instrument :

MSVOA\_L

ClientSampleId :

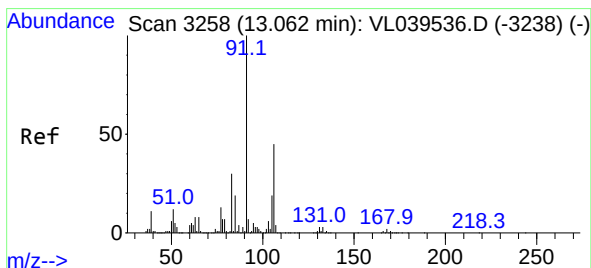
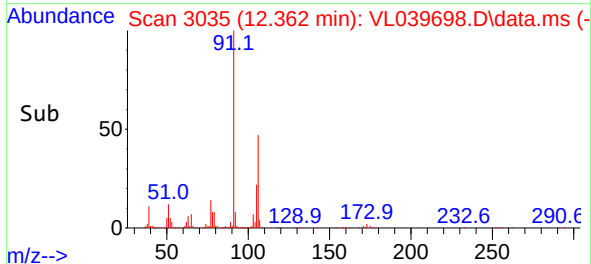
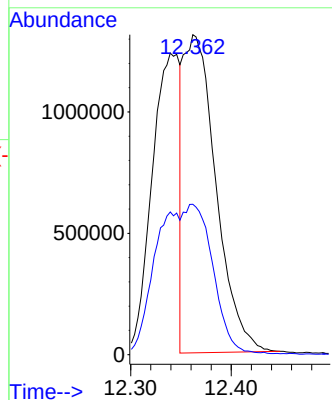
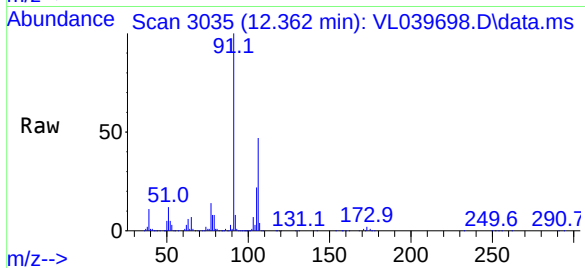
VL1010ABL01

Tgt Ion: 91 Resp: 2942075

Ion Ratio Lower Upper

91 100

106 82.0 35.4 53.2#



#60

o-Xylene

Concen: 9.566 ppbv

RT: 13.050 min Scan# 3249

Delta R.T. -0.012 min

Lab File: VL039698.D

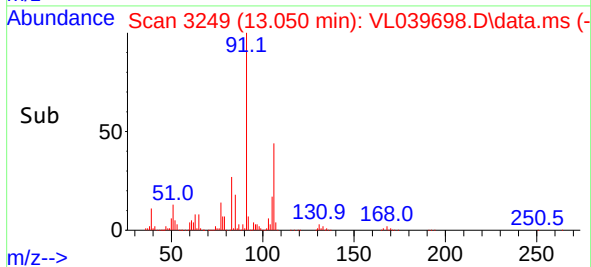
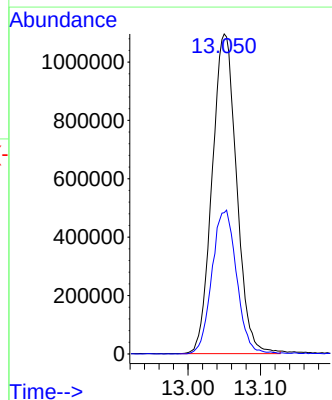
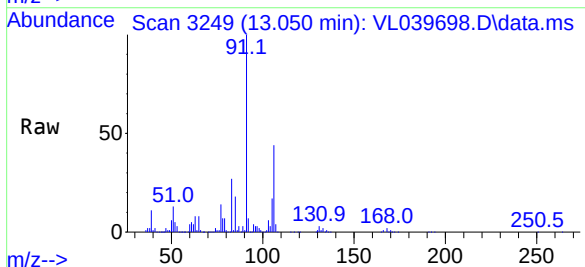
Acq: 10 Oct 2022 16:55

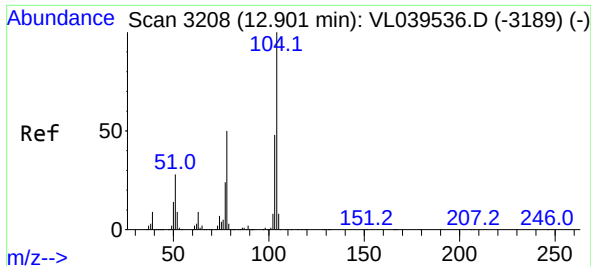
Tgt Ion: 91 Resp: 2564562

Ion Ratio Lower Upper

91 100

106 45.7 22.4 67.3

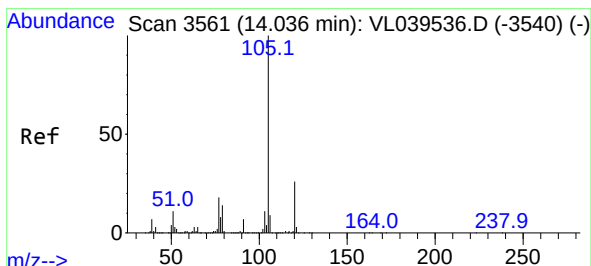
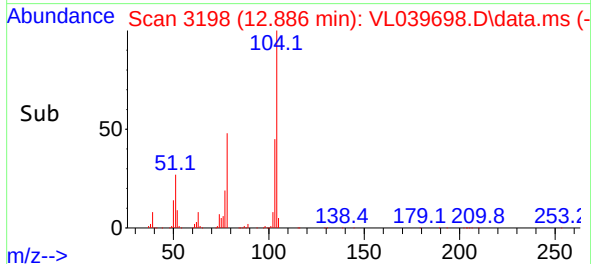
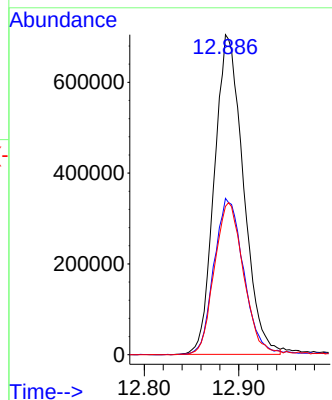
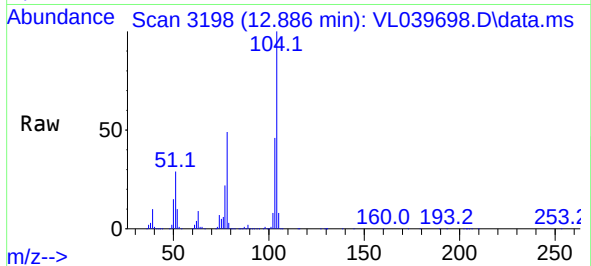




#61  
Styrene  
Concen: 10.384 ppbv  
RT: 12.886 min Scan# 3198  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

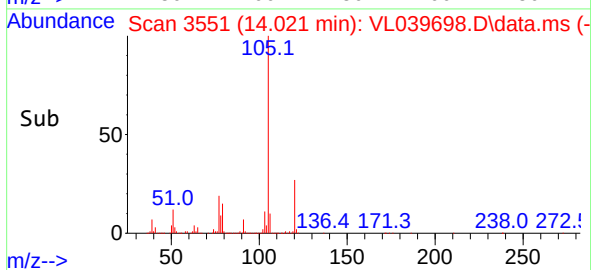
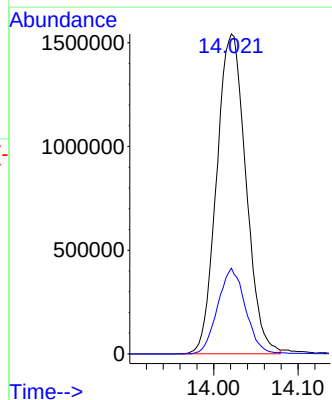
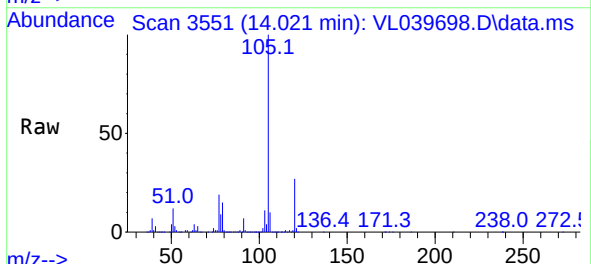
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

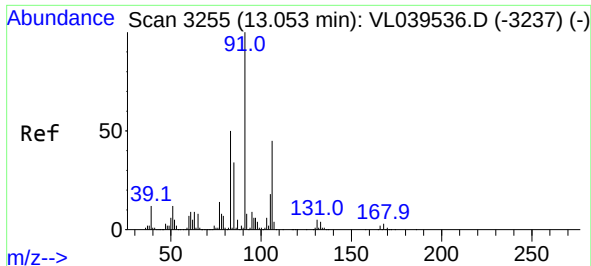
Tgt Ion:104 Resp: 1499225  
Ion Ratio Lower Upper  
104 100  
78 50.7 41.2 61.8  
103 48.5 38.7 58.1



#62  
Isopropylbenzene  
Concen: 9.208 ppbv  
RT: 14.021 min Scan# 3551  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:105 Resp: 3714499  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.7 31.1

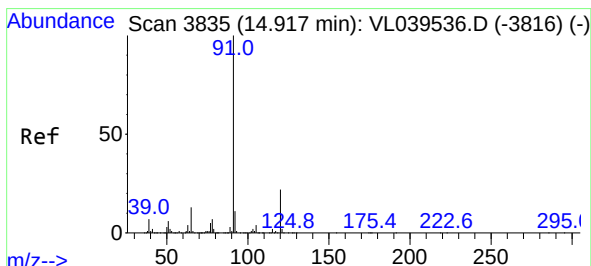
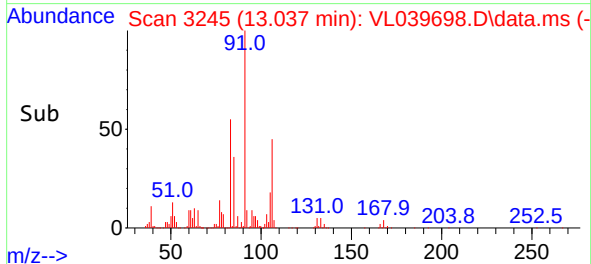
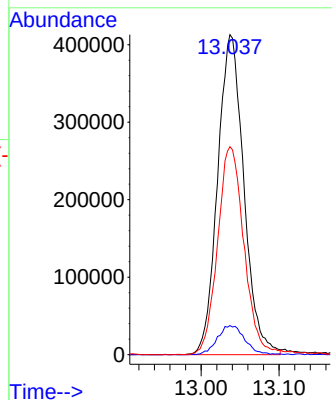
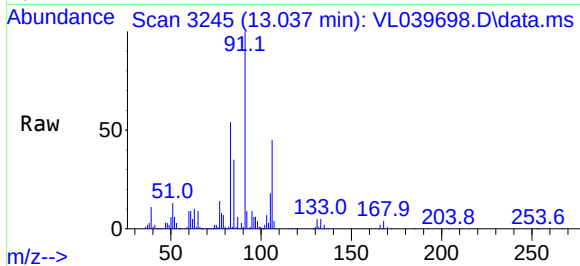




#63  
1,1,2,2-Tetrachloroethane  
Concen: 9.029 ppbv  
RT: 13.037 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

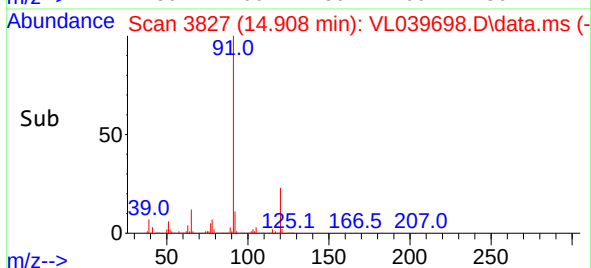
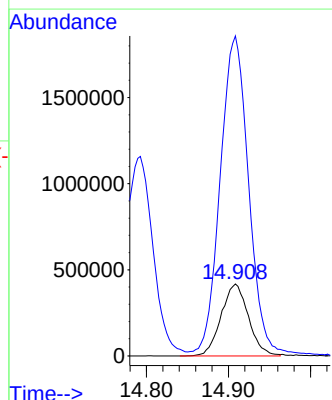
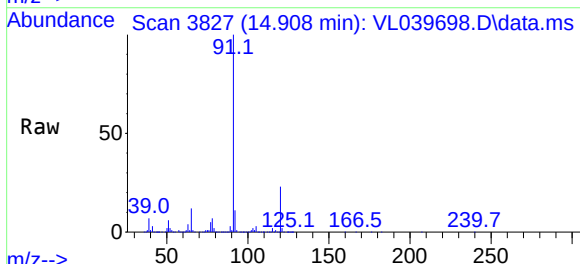
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

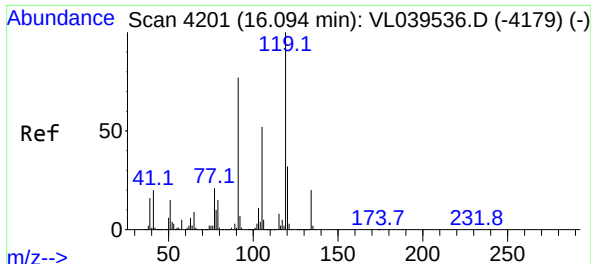
Tgt Ion: 83 Resp: 965572  
Ion Ratio Lower Upper  
83 100  
131 9.6 5.3 15.8  
85 66.5 33.1 99.5



#64  
n-propylbenzene  
Concen: 9.377 ppbv  
RT: 14.908 min Scan# 3827  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:120 Resp: 968713  
Ion Ratio Lower Upper  
120 100  
91 465.8 367.2 550.8

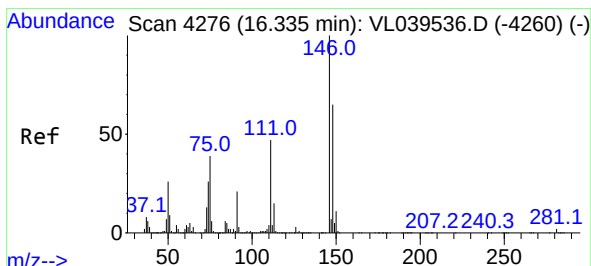
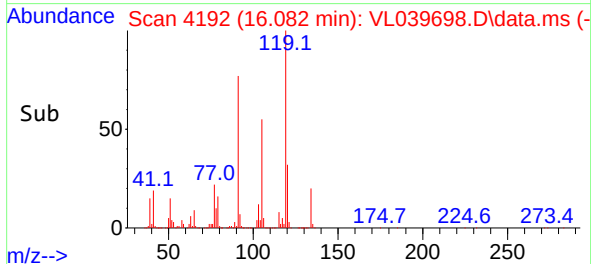
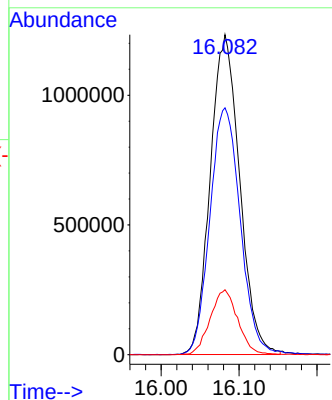
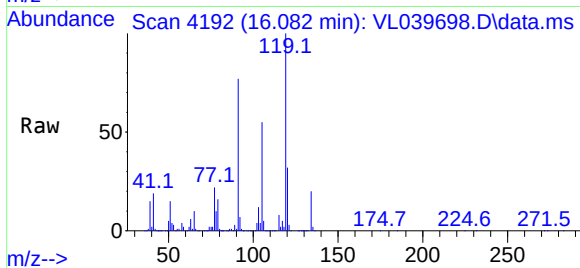




#65  
tert-Butylbenzene  
Concen: 9.060 ppbv  
RT: 16.082 min Scan# 4179  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

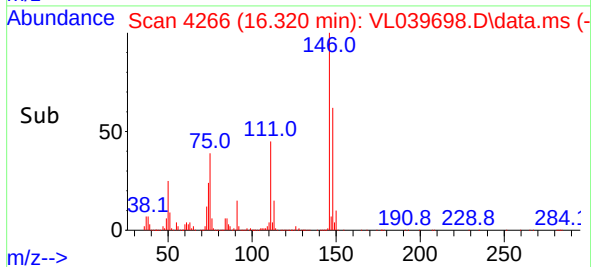
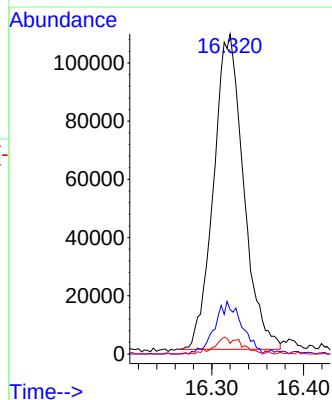
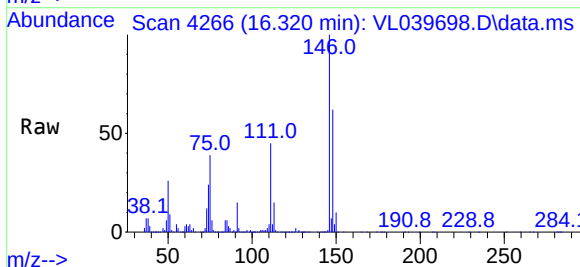
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

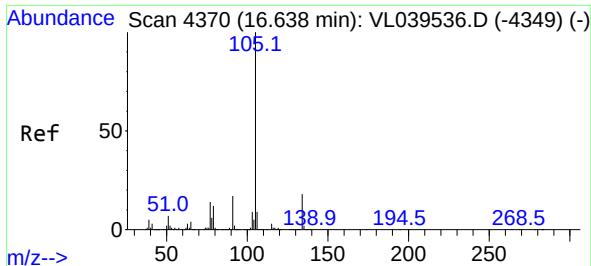
Tgt Ion:119 Resp: 3228959  
Ion Ratio Lower Upper  
119 100  
91 80.0 63.4 95.2  
134 19.2 15.9 23.9



#66  
Benzyl Chloride  
Concen: 8.672 ppbv  
RT: 16.320 min Scan# 4266  
Delta R.T. -0.016 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 91 Resp: 246103  
Ion Ratio Lower Upper  
91 100  
126 16.1 13.1 19.7  
128 4.9 4.4 6.6

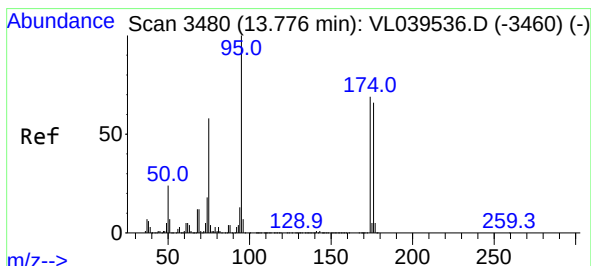
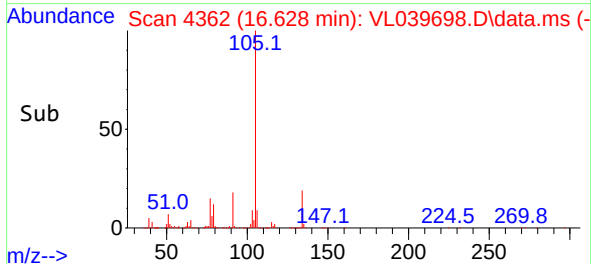
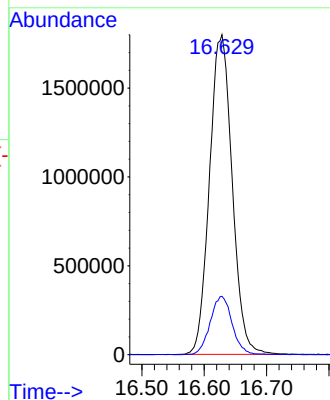
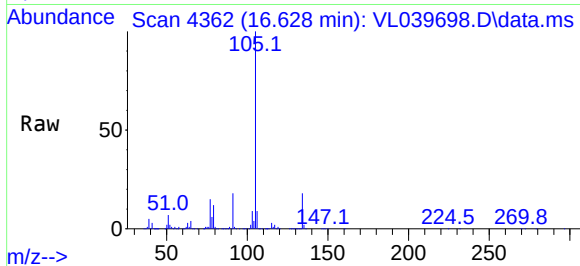




#67  
 sec-Butylbenzene  
 Concen: 9.087 ppbv  
 RT: 16.628 min Scan# 41  
 Delta R.T. -0.009 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

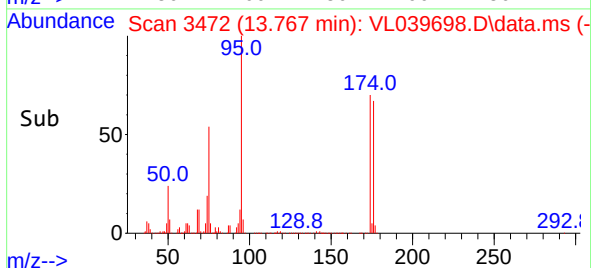
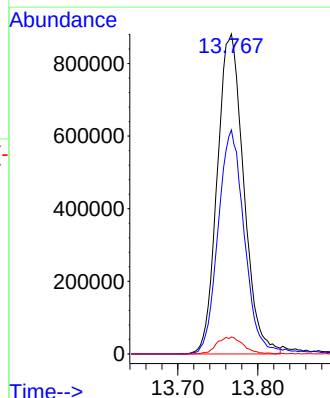
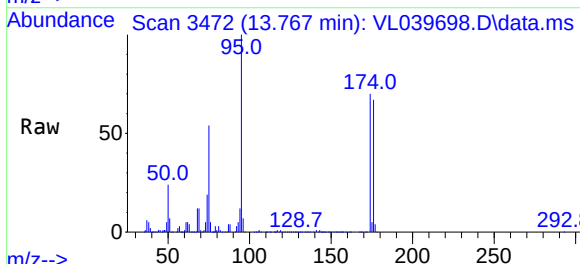
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

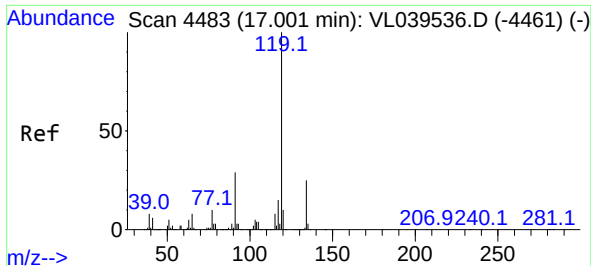
Tgt Ion:105 Resp: 4542677  
 Ion Ratio Lower Upper  
 105 100  
 134 17.8 14.8 22.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.908 ppbv  
 RT: 13.767 min Scan# 3472  
 Delta R.T. -0.009 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion: 95 Resp: 2023659  
 Ion Ratio Lower Upper  
 95 100  
 174 70.8 55.9 83.9  
 175 5.3 4.2 6.4





#69

p-Isopropyltoluene

Concen: 9.210 ppbv

RT: 16.989 min Scan# 44

Delta R.T. -0.012 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

Instrument :

MSVOA\_1

ClientSampleId :

VL1010ABL01

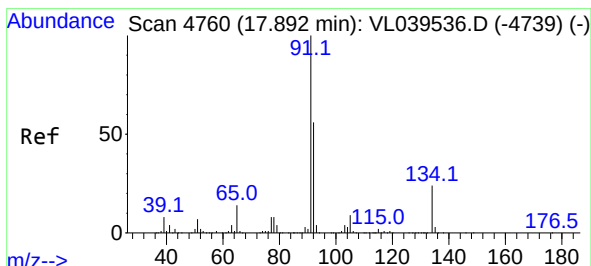
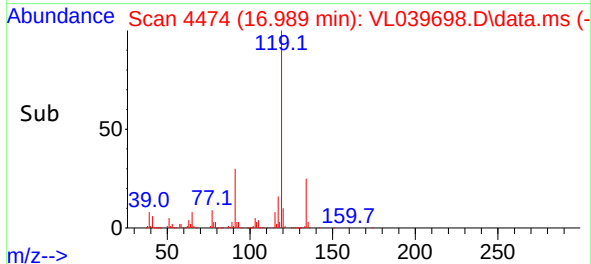
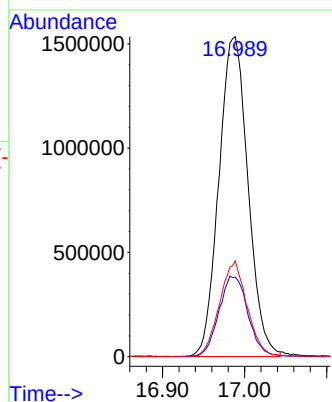
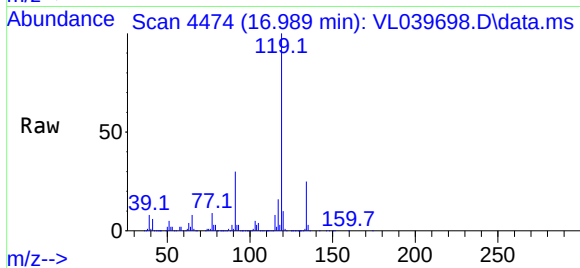
Tgt Ion:119 Resp: 3783458

Ion Ratio Lower Upper

119 100

134 25.2 20.3 30.5

91 28.5 22.9 34.3



#70

n-Butylbenzene

Concen: 9.395 ppbv

RT: 17.876 min Scan# 4750

Delta R.T. -0.016 min

Lab File: VL039698.D

Acq: 10 Oct 2022 16:55

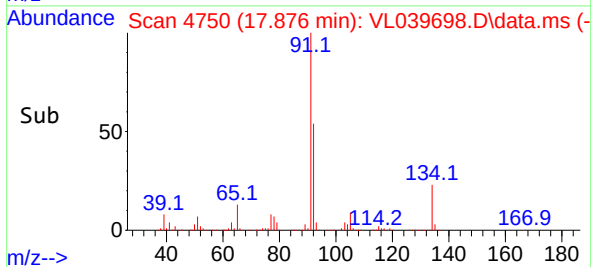
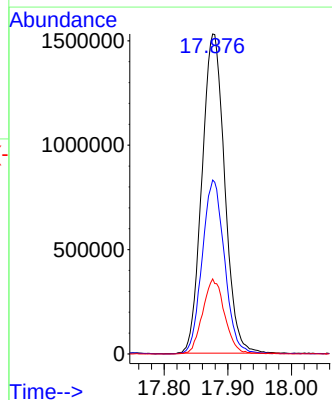
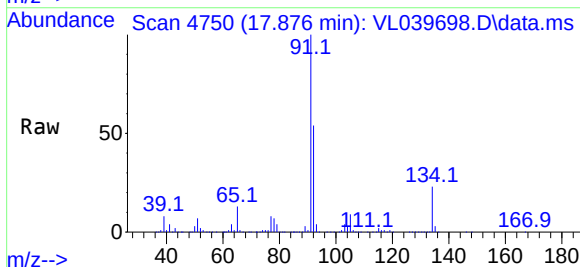
Tgt Ion: 91 Resp: 3783200

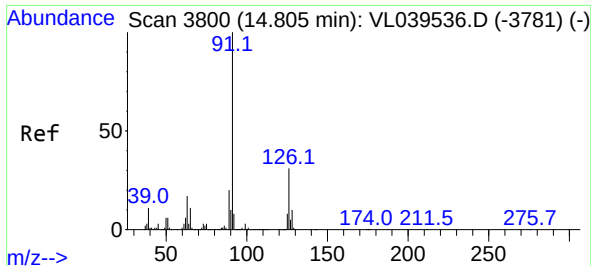
Ion Ratio Lower Upper

91 100

92 53.8 43.4 65.2

134 22.9 18.9 28.3

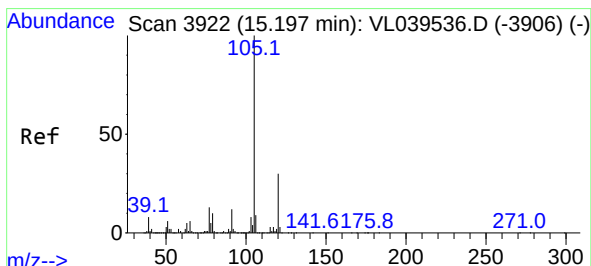
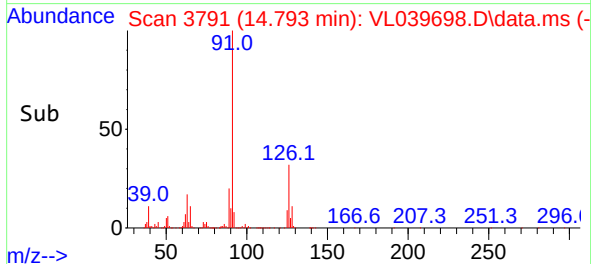
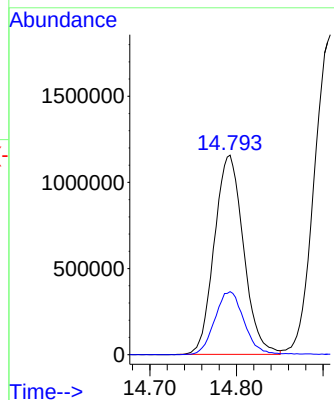
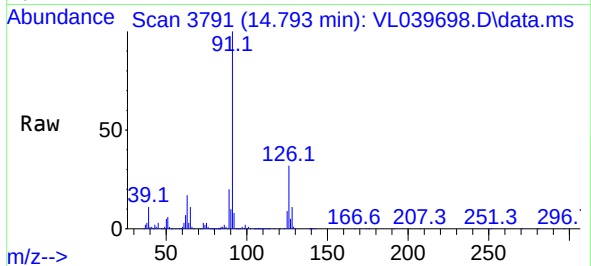




#71  
2-Chlorotoluene  
Concen: 9.291 ppbv  
RT: 14.793 min Scan# 31  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

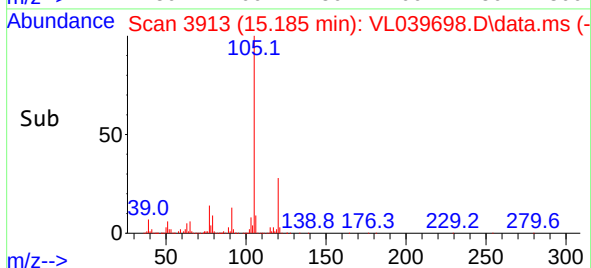
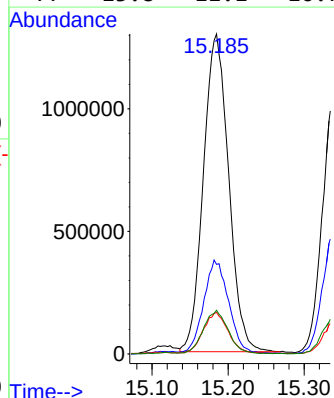
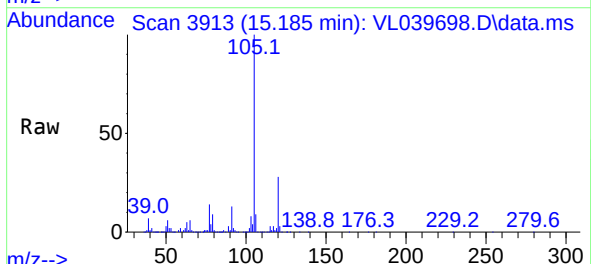
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

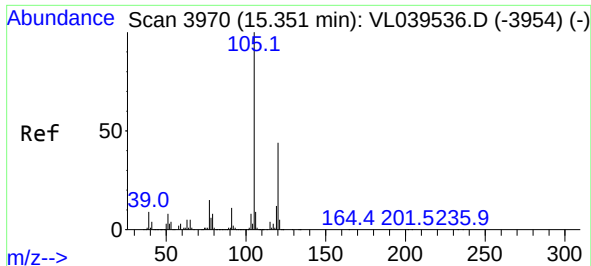
Tgt Ion: 91 Resp: 2706322  
Ion Ratio Lower Upper  
91 100  
126 32.4 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 9.786 ppbv  
RT: 15.185 min Scan# 3913  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion: 105 Resp: 2995027  
Ion Ratio Lower Upper  
105 100  
120 30.4 24.2 36.2  
91 13.1 10.2 15.4  
77 13.8 11.1 16.7

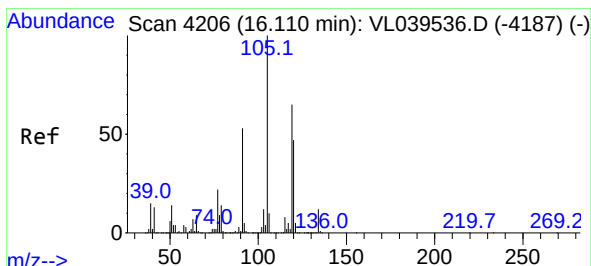
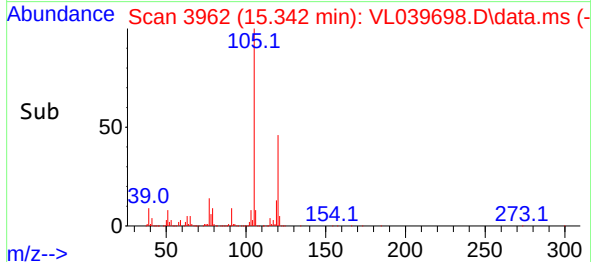
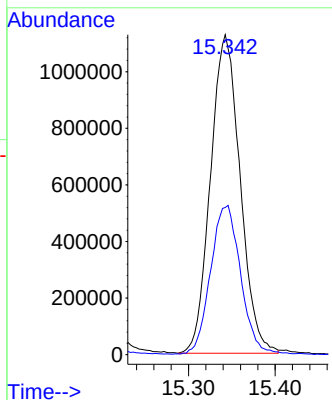
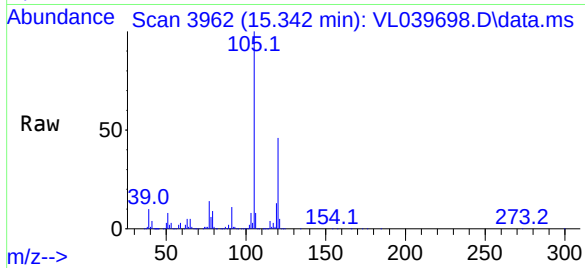




#73  
1,3,5-Trimethylbenzene  
Concen: 9.548 ppbv  
RT: 15.342 min Scan# 3970  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

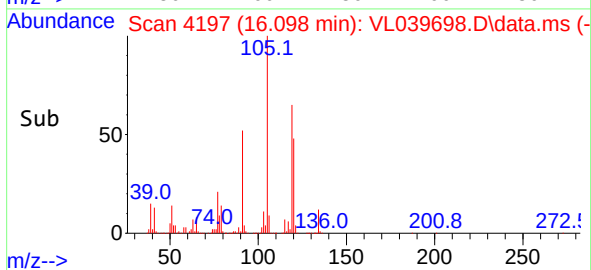
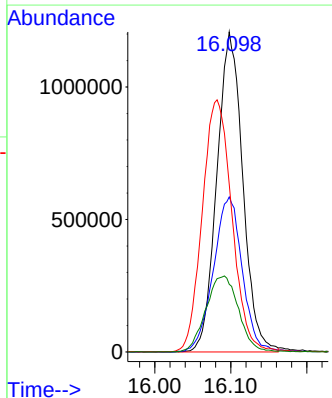
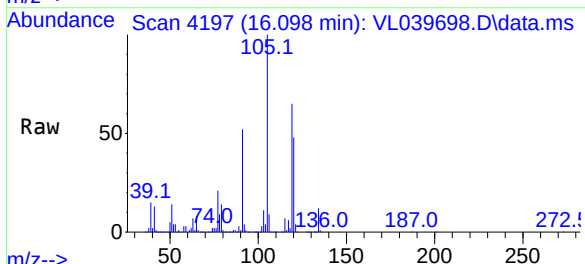
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL1010ABL01

Tgt Ion:105 Resp: 2674021  
Ion Ratio Lower Upper  
105 100  
120 46.0 38.2 57.4

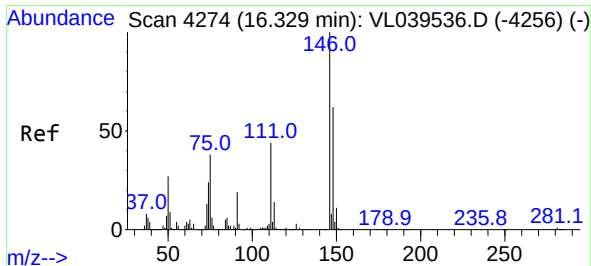


#74  
1,2,4-Trimethylbenzene  
Concen: 9.086 ppbv  
RT: 16.098 min Scan# 4197  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:105 Resp: 2852345  
Ion Ratio Lower Upper  
105 100  
120 48.3 39.5 59.3  
91 51.9 39.2 58.8  
77 21.0 17.2 25.8



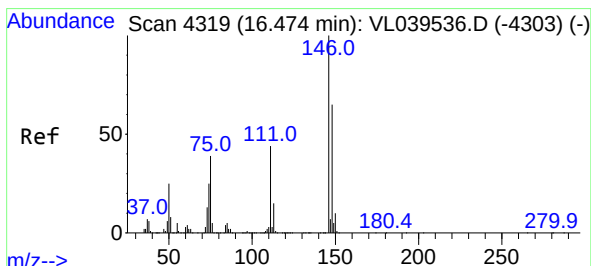
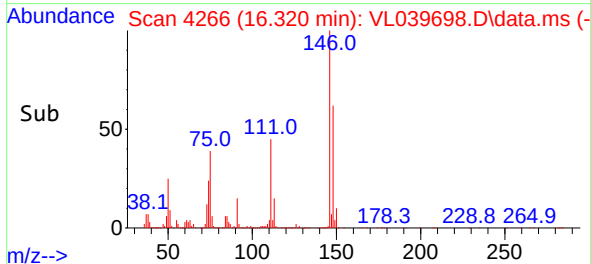
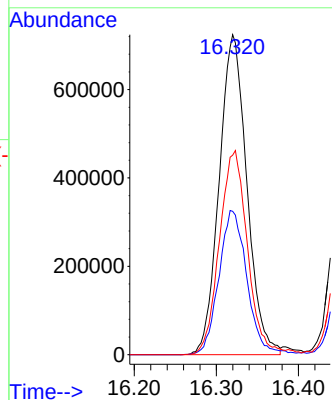
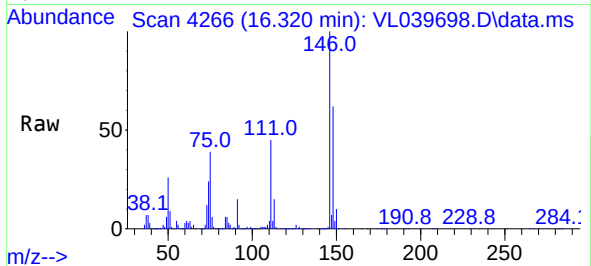




#75  
1,3-Dichlorobenzene  
Concen: 9.067 ppbv  
RT: 16.320 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

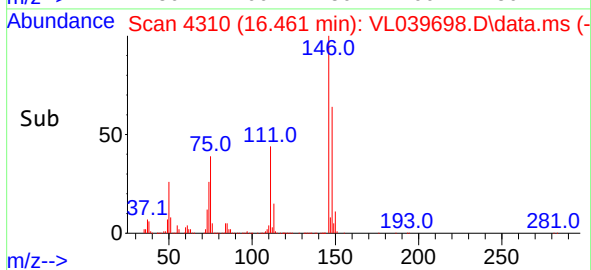
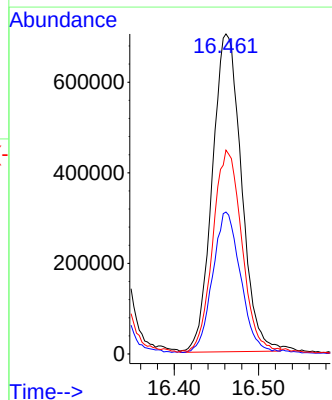
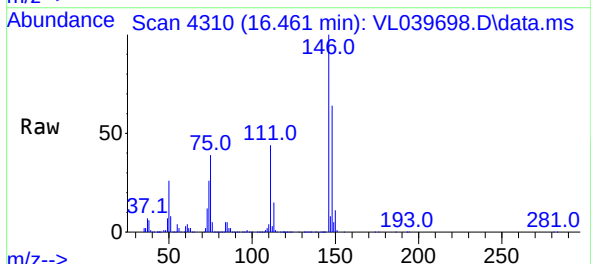
Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

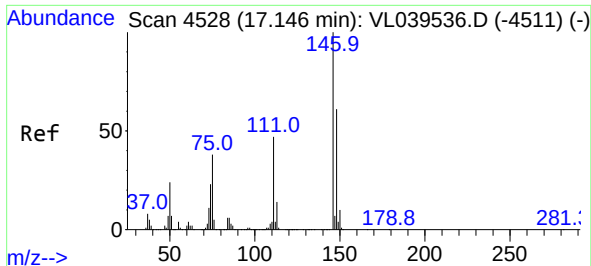
Tgt Ion:146 Resp: 1698280  
Ion Ratio Lower Upper  
146 100  
111 45.9 22.9 68.7  
148 65.0 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 8.991 ppbv  
RT: 16.461 min Scan# 4310  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:146 Resp: 1684735  
Ion Ratio Lower Upper  
146 100  
111 44.0 22.9 68.8  
148 65.5 33.6 100.8

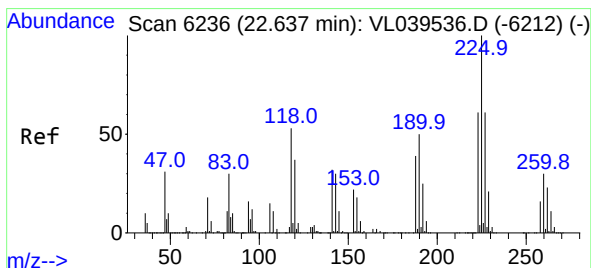
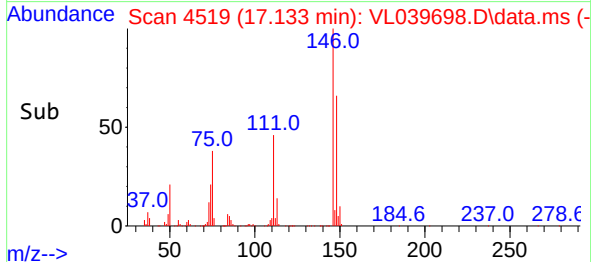
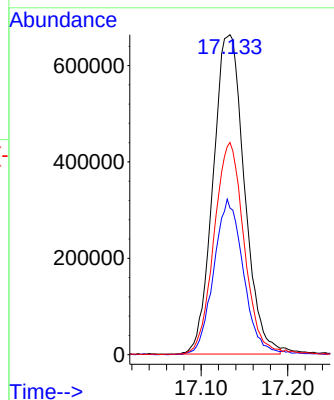
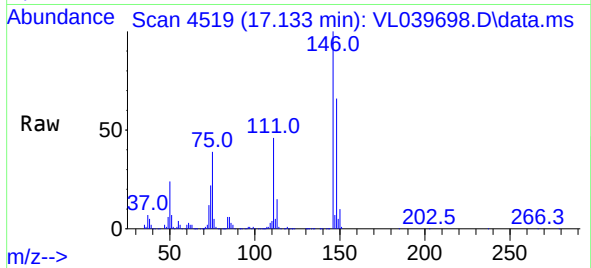




#77  
 1,2-Dichlorobenzene  
 Concen: 9.102 ppbv  
 RT: 17.133 min Scan# 41  
 Delta R.T. -0.012 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

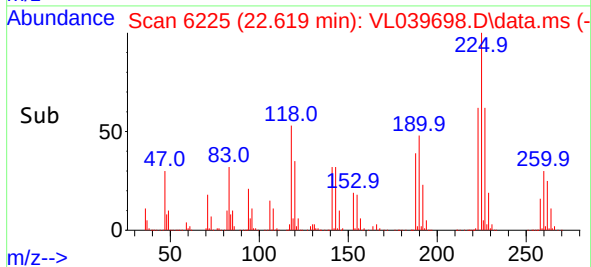
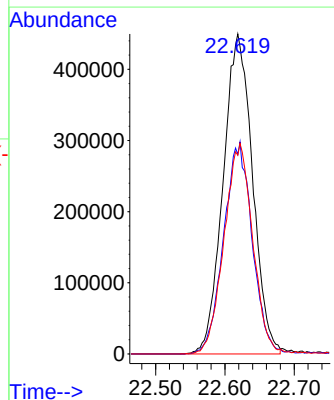
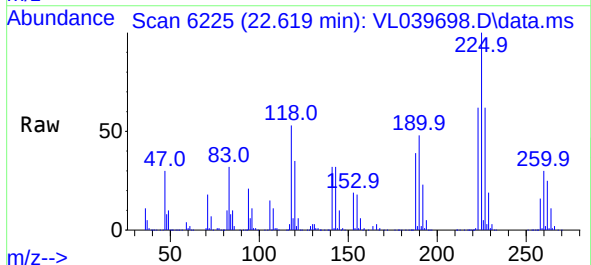
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01

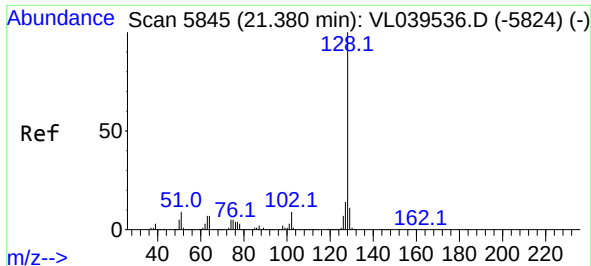
Tgt Ion:146 Resp: 1662484  
 Ion Ratio Lower Upper  
 146 100  
 111 46.7 23.8 71.5  
 148 64.5 32.3 96.8



#78  
 Hexachloro-1,3-Butadiene  
 Concen: 9.484 ppbv  
 RT: 22.619 min Scan# 6225  
 Delta R.T. -0.019 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Tgt Ion:225 Resp: 1323617  
 Ion Ratio Lower Upper  
 225 100  
 223 64.7 51.8 77.6  
 227 64.9 51.4 77.2



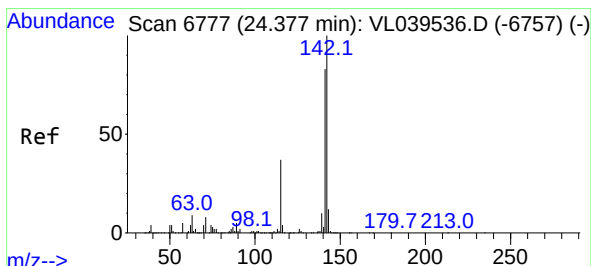
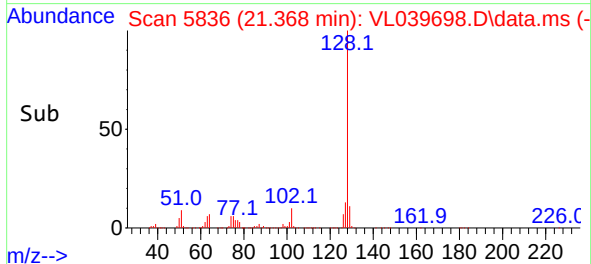
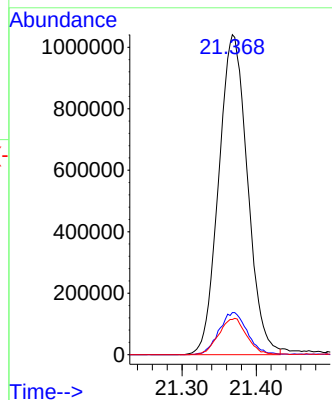
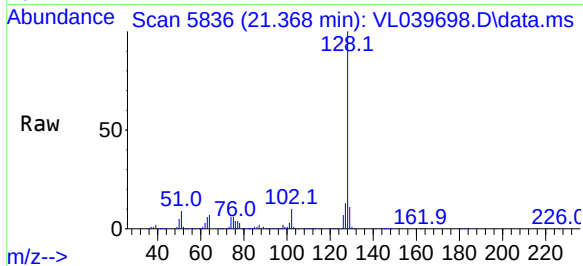


#79  
Naphthalene  
Concen: 13.527 ppbv  
RT: 21.368 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Instrument :  
MSVOA\_1  
ClientSampleId :  
VL1010ABL01

Tgt Ion:128 Resp: 2802367

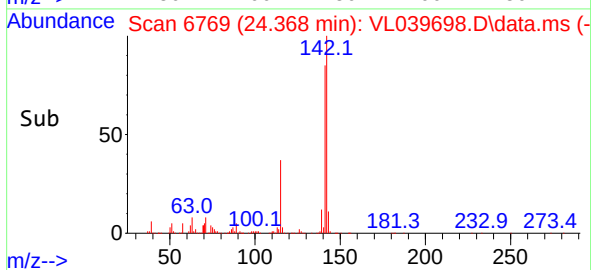
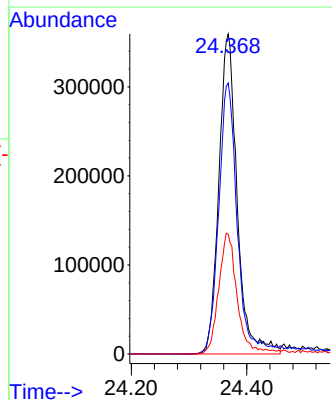
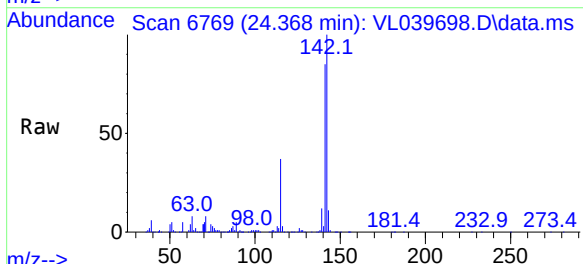
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.1  | 10.6  | 15.8  |
| 129 | 11.0  | 8.8   | 13.2  |

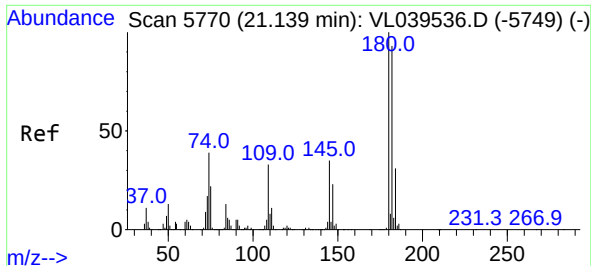


#80  
Naphthalene,2-methyl-  
Concen: 10.147 ppbv  
RT: 24.368 min Scan# 6769  
Delta R.T. -0.009 min  
Lab File: VL039698.D  
Acq: 10 Oct 2022 16:55

Tgt Ion:142 Resp: 790425

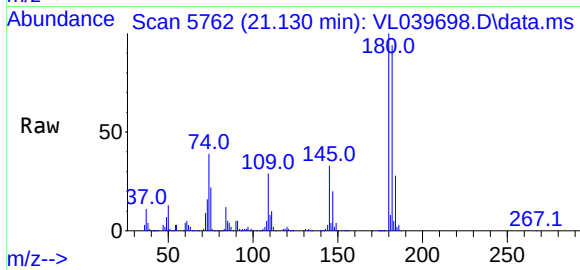
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 91.2  | 68.9  | 103.3 |
| 115 | 38.6  | 30.0  | 45.0  |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.573 ppbv  
 RT: 21.130 min Scan# 51  
 Delta R.T. -0.009 min  
 Lab File: VL039698.D  
 Acq: 10 Oct 2022 16:55

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL1010ABL01



Tgt Ion:180 Resp: 1574741

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 96.5  | 77.1  | 115.7 |
| 184 | 30.3  | 24.3  | 36.5  |

