

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110922\  
 Data File : VL039864.D  
 Acq On : 10 Nov 2022 9:50  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

Quant Time: Nov 11 04:41:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Nov 03 09:27:12 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.185  | 49   | 959961   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.642  | 114  | 2209016  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.449 | 117  | 2717838  | 10.000 | ppbv  | 0.00     |

System Monitoring Compounds

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| 68) 1-Bromo-4-Fluorobenzene | 13.754 | 95    | 1851411  | 9.101    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 91.000% |

| Target Compounds              |       |     |         |        | Qvalue |     |
|-------------------------------|-------|-----|---------|--------|--------|-----|
| 2) Dichlorodifluoromethane    | 2.745 | 85  | 1263366 | 7.795  | ppbv   | 99  |
| 3) Chlorodifluoromethane      | 2.690 | 51  | 1221295 | 10.672 | ppbv   | 95  |
| 4) Chloromethane              | 2.825 | 50  | 588886  | 8.264  | ppbv   | 100 |
| 5) Vinyl Chloride             | 2.931 | 62  | 563461  | 9.767  | ppbv   | 99  |
| 6) Bromomethane               | 3.131 | 94  | 223495  | 10.860 | ppbv   | 96  |
| 7) Chloroethane               | 3.208 | 64  | 200530  | 9.276  | ppbv   | 98  |
| 8) Dichlorotetrafluoroethane  | 2.870 | 85  | 1360793 | 9.852  | ppbv   | 91  |
| 9) Propene                    | 2.706 | 41  | 507204  | 8.506  | ppbv   | 100 |
| 10) Heptane                   | 7.565 | 43  | 1304590 | 9.133  | ppbv   | 99  |
| 11) Trichlorofluoromethane    | 3.571 | 101 | 1472037 | 11.137 | ppbv   | 99  |
| 12) 1,1,2-Trichlorotrifluo... | 4.070 | 101 | 1032025 | 10.811 | ppbv   | 96  |
| 13) Ethanol                   | 3.253 | 45  | 12281   | 2.914  | ppbv # | 29  |
| 14) Bromoethene               | 3.375 | 108 | 390521  | 9.136  | ppbv # | 93  |
| 15) Acetone                   | 3.478 | 43  | 924298  | 7.910  | ppbv   | 98  |
| 16) 1,3-Butadiene             | 2.999 | 39  | 517180  | 9.517  | ppbv   | 95  |
| 17) tert-Butyl alcohol        | 3.883 | 59  | 897429  | 8.065  | ppbv   | 99  |
| 18) 1,1-Dichloroethene        | 3.886 | 96  | 447038  | 10.213 | ppbv   | 92  |
| 19) Isopropyl Alcohol         | 3.584 | 45  | 417731  | 7.223  | ppbv # | 34  |
| 20) Methylene Chloride        | 3.938 | 84  | 362431  | 8.670  | ppbv   | 96  |
| 21) Allyl Chloride            | 3.999 | 41  | 643314  | 8.704  | ppbv   | 98  |
| 22) trans-1,2-Dichloroethene  | 4.446 | 96  | 461958  | 10.398 | ppbv   | 93  |
| 23) Vinyl Acetate             | 4.626 | 43  | 203196  | 4.365  | ppbv # | 96  |
| 24) 1,1-Dichloroethane        | 4.565 | 63  | 924039  | 9.718  | ppbv   | 99  |
| 25) Ethyl Acetate             | 5.198 | 43  | 2497658 | 10.377 | ppbv   | 99  |
| 26) Hexane                    | 5.208 | 57  | 910405  | 8.484  | ppbv   | 83  |
| 27) Carbon Disulfide          | 4.128 | 76  | 1051932 | 9.335  | ppbv   | 97  |
| 28) Methyl tert-Butyl Ether   | 4.587 | 73  | 887062  | 9.132  | ppbv   | 97  |
| 29) Chloroform                | 5.269 | 83  | 1543212 | 10.227 | ppbv   | 97  |
| 30) Cyclohexane               | 6.594 | 84  | 749249  | 8.349  | ppbv   | 92  |
| 31) cis-1,2-Dichloroethene    | 5.076 | 61  | 817135  | 8.351  | ppbv   | 99  |
| 32) 1,1,1-Trichloroethane     | 5.996 | 97  | 1534605 | 10.216 | ppbv   | 96  |
| 34) 2-Butanone                | 4.787 | 43  | 1033722 | 11.343 | ppbv   | 99  |
| 35) Carbon Tetrachloride      | 6.484 | 117 | 1507934 | 11.711 | ppbv   | 97  |
| 36) Benzene                   | 6.359 | 78  | 1920187 | 10.305 | ppbv # | 94  |
| 37) 1,2-Dichloroethane        | 5.800 | 62  | 1258971 | 14.082 | ppbv # | 95  |
| 38) Trichloroethene           | 7.279 | 130 | 814721  | 8.168  | ppbv   | 94  |
| 39) 1,2-Dichloropropane       | 7.063 | 63  | 811617  | 11.179 | ppbv   | 93  |
| 40) 1,4-Dioxane               | 7.275 | 88  | 278020  | 10.000 | ppbv # | 1   |
| 41) Tetrahydrofuran           | 5.552 | 42  | 799638  | 10.499 | ppbv   | 98  |
| 42) Bromodichloromethane      | 7.234 | 83  | 1731074 | 12.123 | ppbv   | 96  |
| 43) Methyl Methacrylate       | 7.465 | 69  | 825672  | 11.212 | ppbv   | 91  |
| 44) 2,2,4-Trimethylpentane    | 7.314 | 57  | 3438252 | 10.931 | ppbv   | 98  |
| 45) t-1,3-Dichloropropene     | 8.693 | 75  | 623571  | 8.839  | ppbv   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL110922\  
 Data File : VL039864.D  
 Acq On : 10 Nov 2022 9:50  
 Operator : SY/AP  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

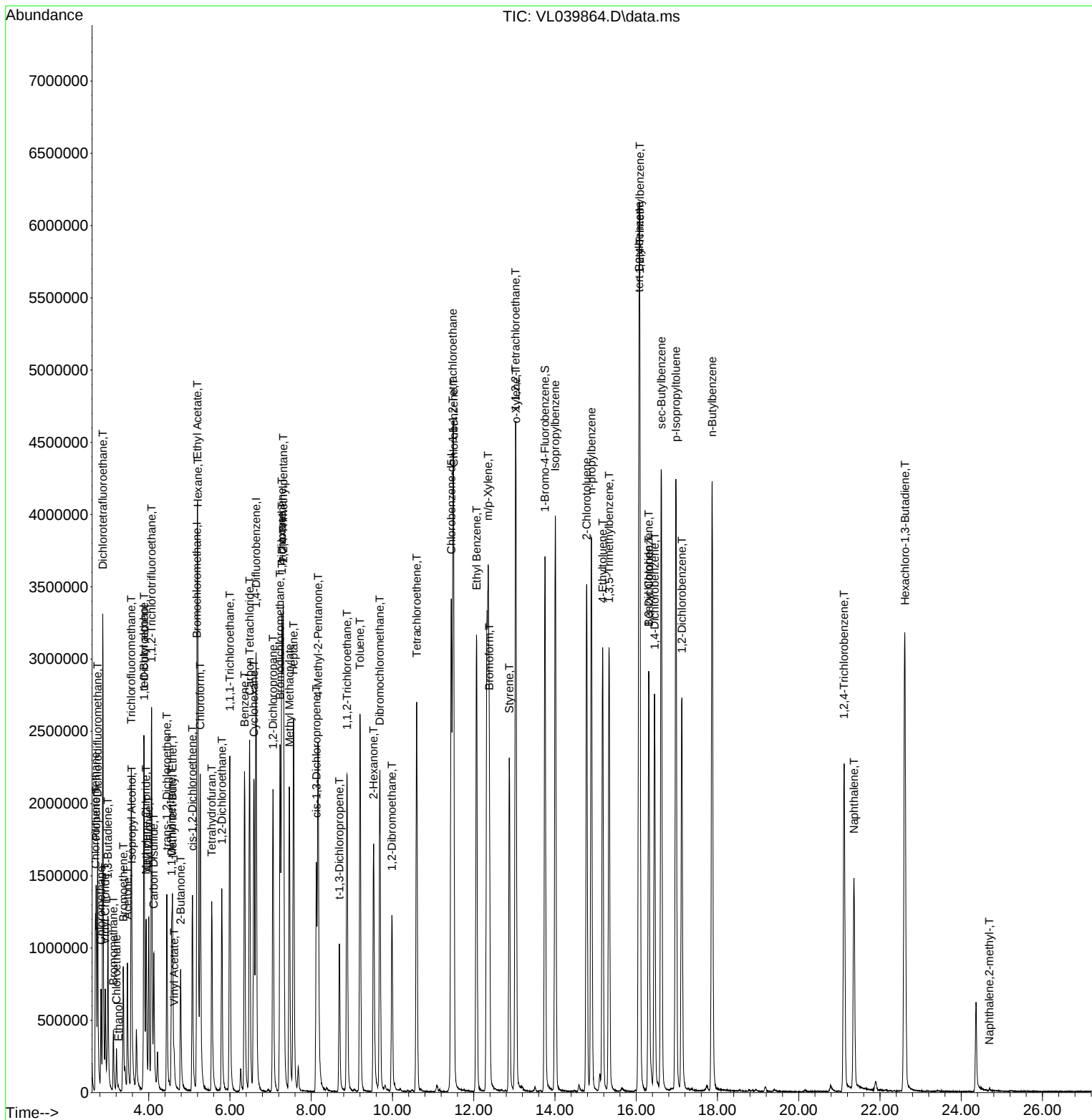
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

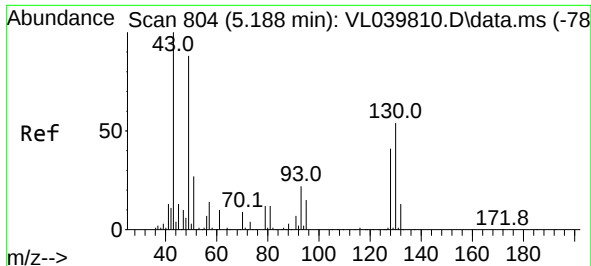
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Nov 03 09:27:12 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.127  | 75   | 924482   | 9.601  | ppbv   | 95       |
| 47) 1,1,2-Trichloroethane     | 8.880  | 97   | 794345   | 10.805 | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.690  | 129  | 1344808  | 10.735 | ppbv   | 100      |
| 49) Bromoform                 | 12.384 | 173  | 1052404  | 10.452 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.169  | 43   | 2174539  | 11.655 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.536  | 43   | 1680322  | 11.551 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.597 | 164  | 625223   | 8.956  | ppbv   | 92       |
| 53) Toluene                   | 9.201  | 91   | 2153116  | 10.072 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 9.989  | 107  | 1034552  | 12.680 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.487 | 131  | 977552   | 8.413  | ppbv   | 97       |
| 57) Chlorobenzene             | 11.507 | 112  | 1525166  | 7.398  | ppbv   | 92       |
| 58) Ethyl Benzene             | 12.069 | 91   | 2958577  | 8.051  | ppbv   | 96       |
| 59) m/p-Xylene                | 12.352 | 91   | 2158530  | 7.037  | ppbv # | 23       |
| 60) o-Xylene                  | 13.040 | 91   | 2406385  | 8.280  | ppbv   | 94       |
| 61) Styrene                   | 12.876 | 104  | 1347430  | 7.535  | ppbv   | 95       |
| 62) Isopropylbenzene          | 14.008 | 105  | 3554376  | 8.384  | ppbv   | 97       |
| 63) 1,1,2,2-Tetrachloroethane | 13.028 | 83   | 1441552  | 13.320 | ppbv   | 98       |
| 64) n-propylbenzene           | 14.899 | 120  | 889229   | 7.841  | ppbv   | 76       |
| 65) tert-Butylbenzene         | 16.072 | 119  | 3029640  | 8.139  | ppbv   | 90       |
| 66) Benzyl Chloride           | 16.307 | 91   | 107270   | 2.478  | ppbv # | 93       |
| 67) sec-Butylbenzene          | 16.619 | 105  | 4382087  | 8.648  | ppbv   | 96       |
| 69) p-Isopropyltoluene        | 16.979 | 119  | 3459895  | 8.232  | ppbv   | 95       |
| 70) n-Butylbenzene            | 17.870 | 91   | 3803862  | 9.362  | ppbv   | 97       |
| 71) 2-Chlorotoluene           | 14.780 | 91   | 2802232  | 8.797  | ppbv   | 95       |
| 72) 4-Ethyltoluene            | 15.172 | 105  | 2713844  | 8.293  | ppbv   | 95       |
| 73) 1,3,5-Trimethylbenzene    | 15.333 | 105  | 2451565  | 8.451  | ppbv   | 90       |
| 74) 1,2,4-Trimethylbenzene    | 16.088 | 105  | 2594792  | 8.419  | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 16.307 | 146  | 1393639  | 7.744  | ppbv   | 97       |
| 76) 1,4-Dichlorobenzene       | 16.452 | 146  | 1328901  | 7.525  | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 17.124 | 146  | 1378604  | 8.126  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 22.616 | 225  | 880120   | 7.002  | ppbv   | 99       |
| 79) Naphthalene               | 21.362 | 128  | 1790971  | 7.992  | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.689 | 142  | 15135    | 0.159  | ppbv   | 87       |
| 81) 1,2,4-Trichlorobenzene    | 21.117 | 180  | 958571   | 7.647  | ppbv   | 99       |

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

Quant Time: Nov 11 04:41:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL110222AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Nov 03 09:27:12 2022  
Response via : Initial Calibration

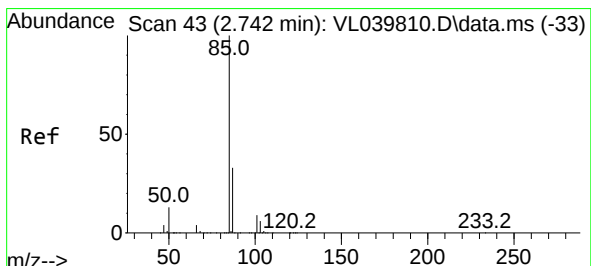
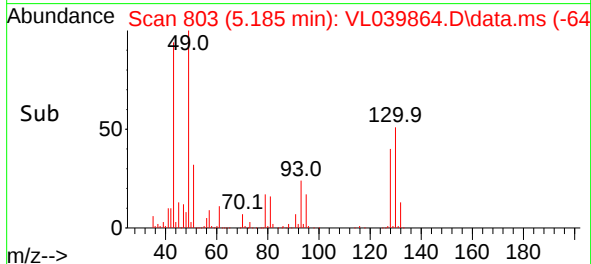
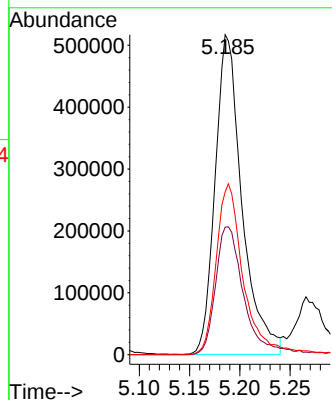
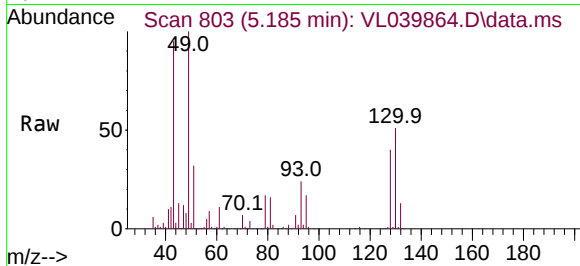




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.185 min Scan# 80  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

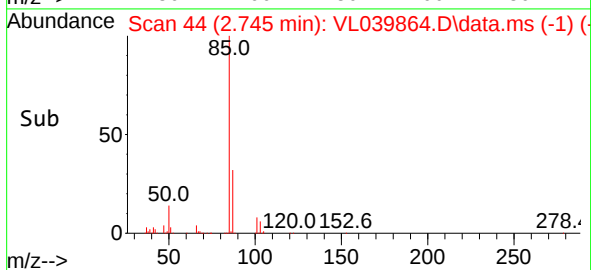
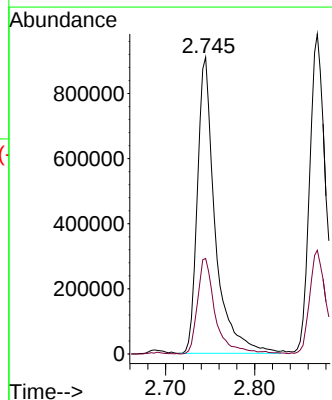
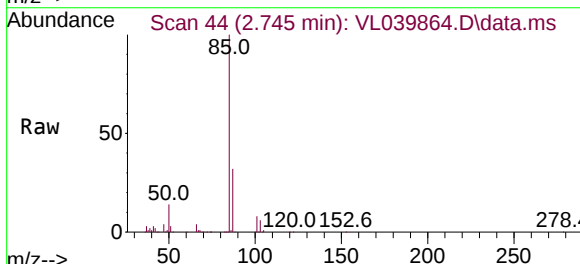
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

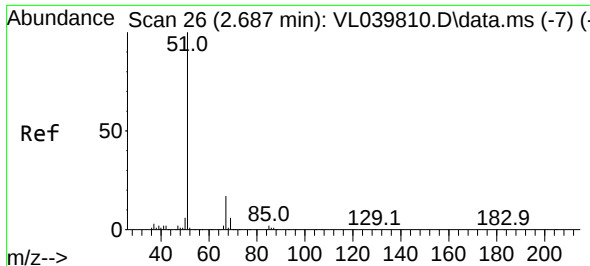
Tgt Ion: 49 Resp: 959961  
 Ion Ratio Lower Upper  
 49 100  
 128 43.2 24.6 73.6  
 130 54.3 31.1 93.2



#2  
 Dichlorodifluoromethane  
 Concen: 7.795 ppbv  
 RT: 2.745 min Scan# 44  
 Delta R.T. 0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 85 Resp: 1263366  
 Ion Ratio Lower Upper  
 85 100  
 87 32.2 26.4 39.6

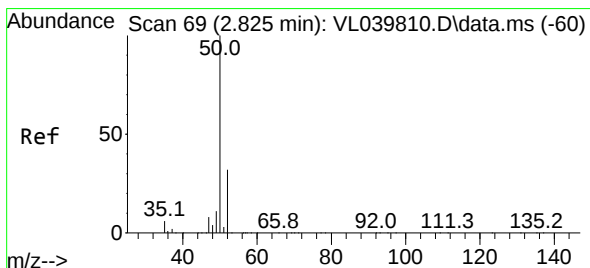
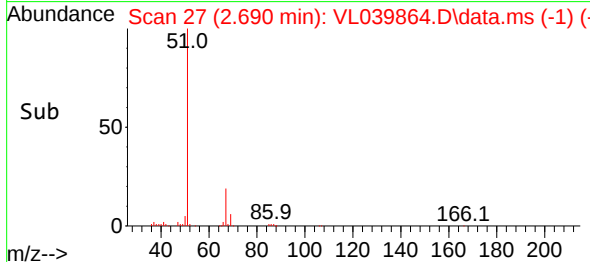
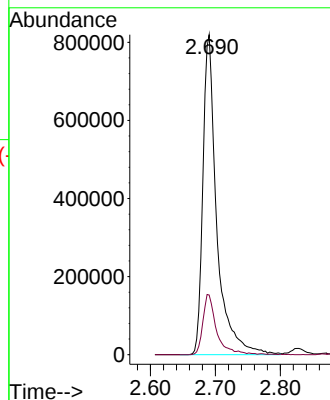
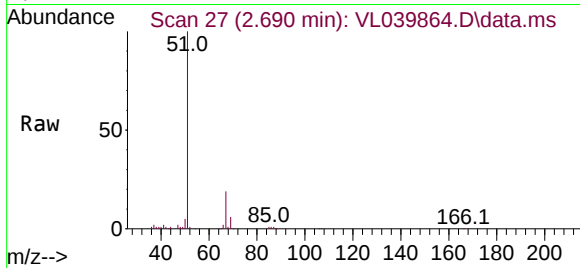




#3  
Chlorodifluoromethane  
Concen: 10.672 ppbv  
RT: 2.690 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

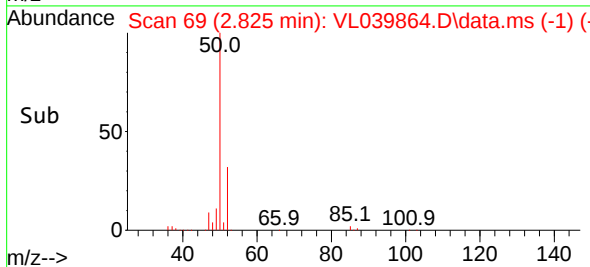
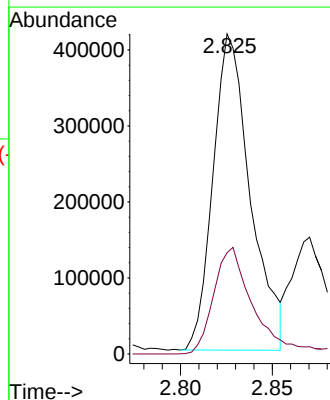
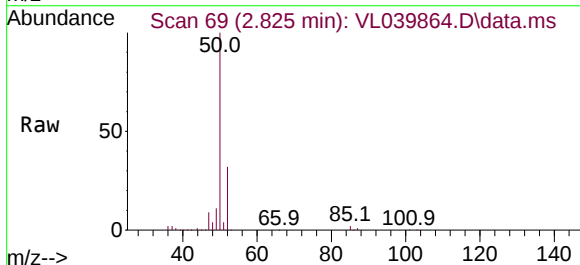
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

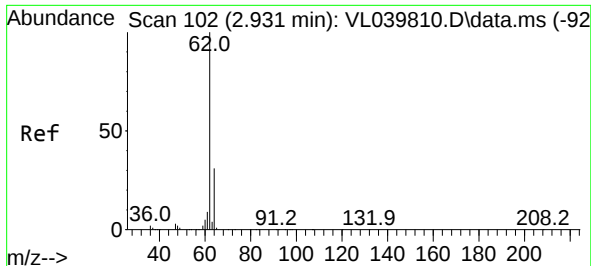
Tgt Ion: 51 Resp: 1221295  
Ion Ratio Lower Upper  
51 100  
67 18.8 13.2 19.8



#4  
Chloromethane  
Concen: 8.264 ppbv  
RT: 2.825 min Scan# 69  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 50 Resp: 588886  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.5 38.3

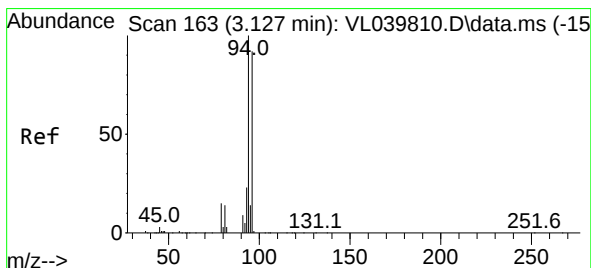
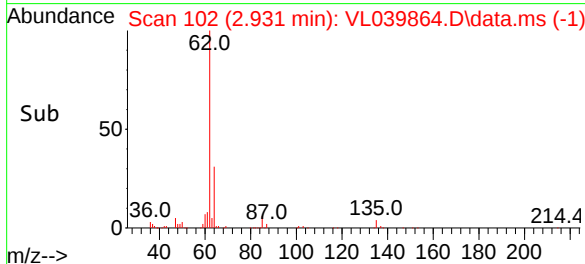
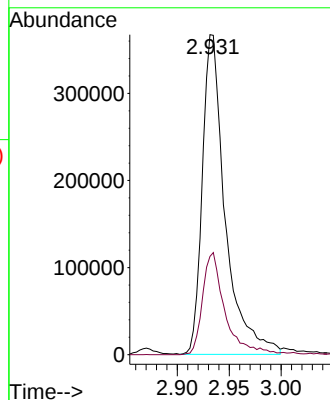
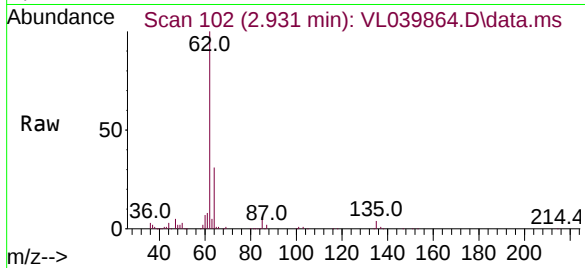




#5  
 Vinyl Chloride  
 Concen: 9.767 ppbv  
 RT: 2.931 min Scan# 102  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

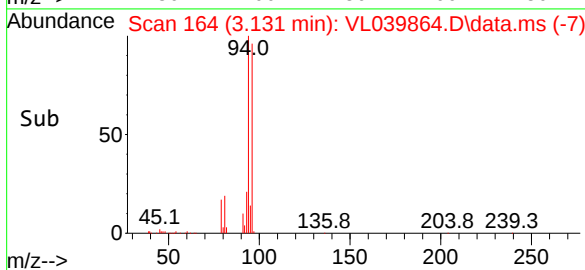
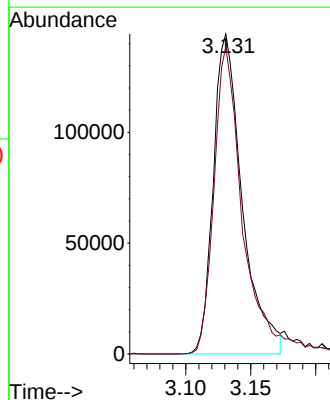
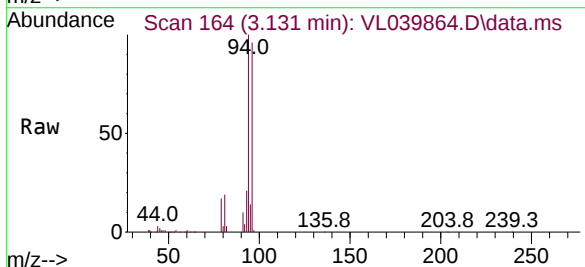
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

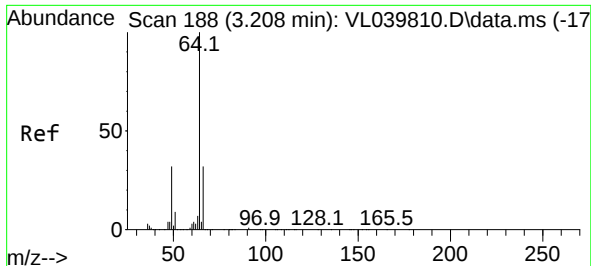
Tgt Ion: 62 Resp: 563461  
 Ion Ratio Lower Upper  
 62 100  
 64 30.7 25.0 37.4



#6  
 Bromomethane  
 Concen: 10.860 ppbv  
 RT: 3.131 min Scan# 164  
 Delta R.T. 0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 94 Resp: 223495  
 Ion Ratio Lower Upper  
 94 100  
 96 96.0 73.5 110.3

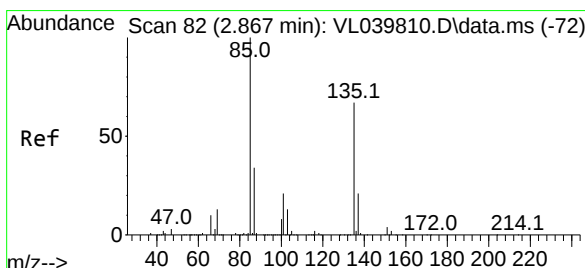
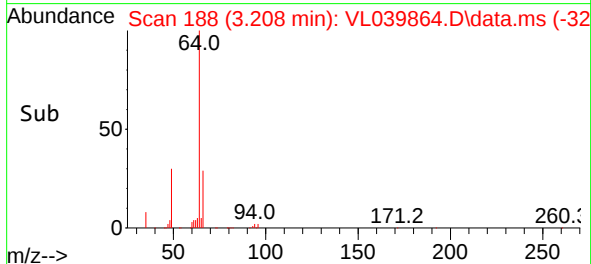
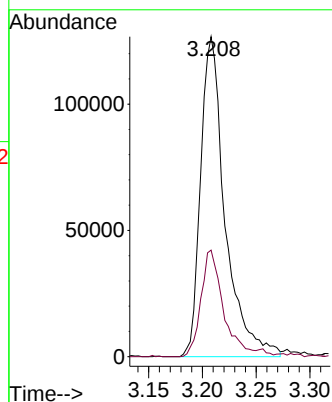
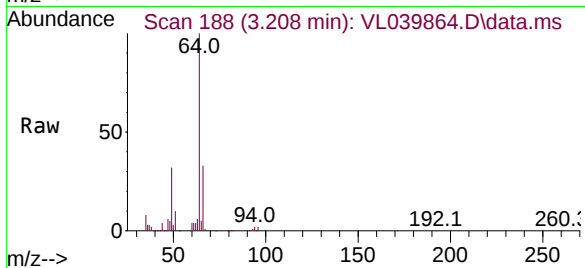




#7  
Chloroethane  
Concen: 9.276 ppbv  
RT: 3.208 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

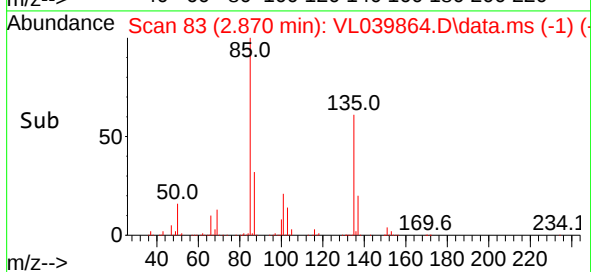
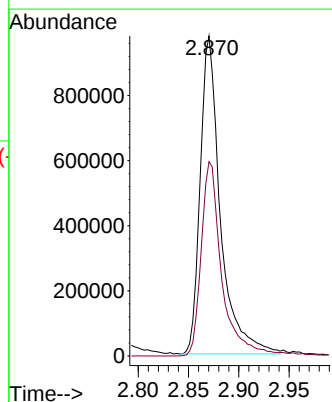
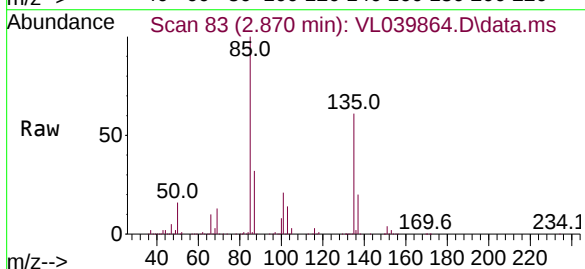
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

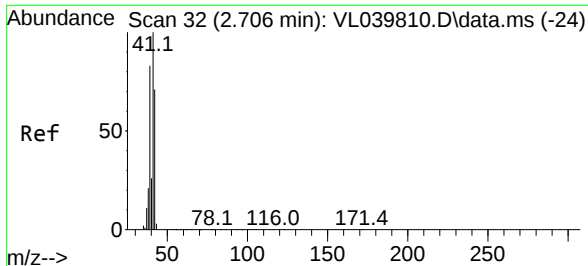
Tgt Ion: 64 Resp: 200530  
Ion Ratio Lower Upper  
64 100  
66 33.3 25.5 38.3



#8  
Dichlorotetrafluoroethane  
Concen: 9.852 ppbv  
RT: 2.870 min Scan# 83  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 85 Resp: 1360793  
Ion Ratio Lower Upper  
85 100  
135 63.5 56.7 85.1

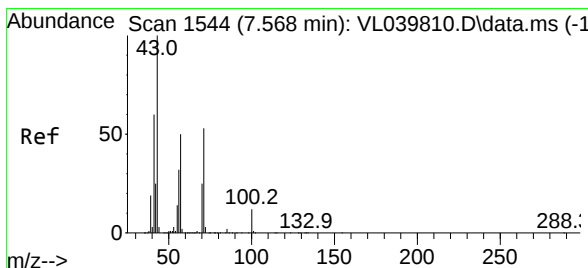
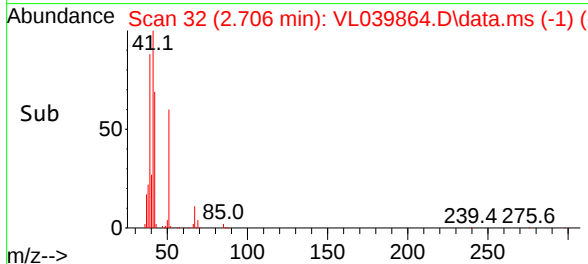
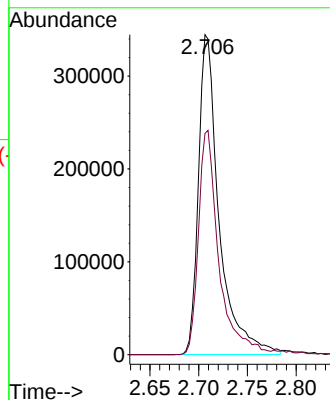
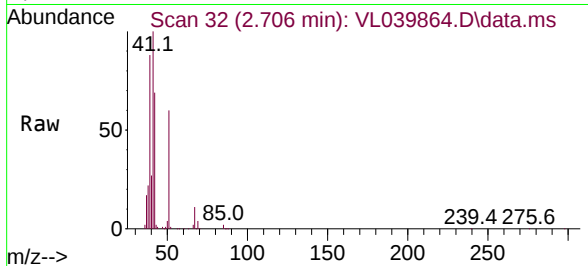




#9  
 Propene  
 Concen: 8.506 ppbv  
 RT: 2.706 min Scan# 31  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

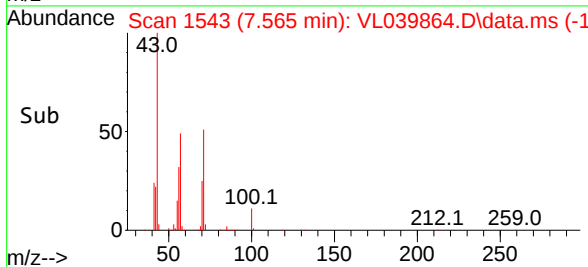
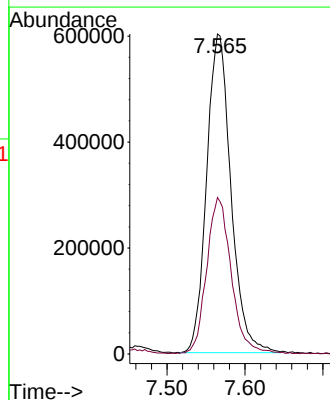
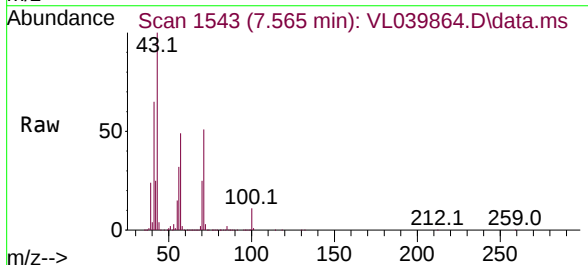
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 ClientSampleId :  
 VSTDCCC010EC

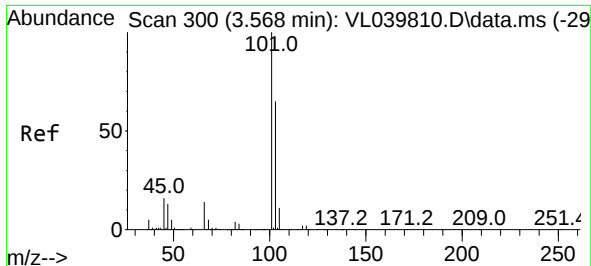
Tgt Ion: 41 Resp: 507204  
 Ion Ratio Lower Upper  
 41 100  
 42 70.8 56.3 84.5



#10  
 Heptane  
 Concen: 9.133 ppbv  
 RT: 7.565 min Scan# 1543  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 43 Resp: 1304590  
 Ion Ratio Lower Upper  
 43 100  
 57 49.6 40.5 60.7

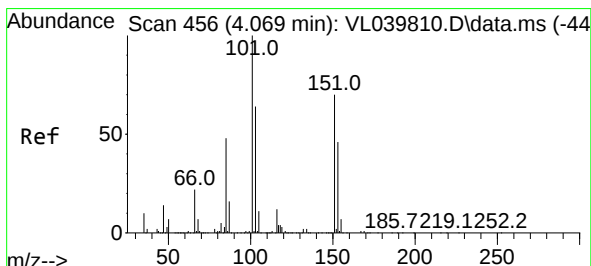
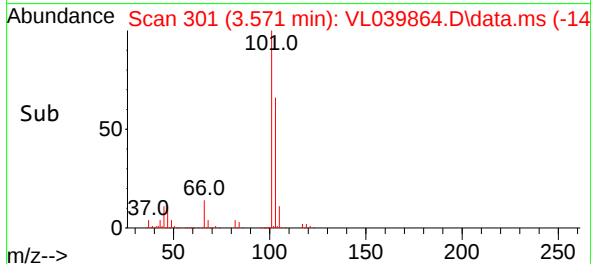
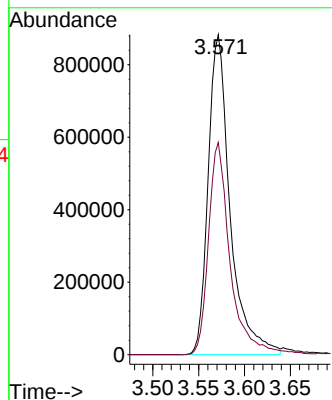
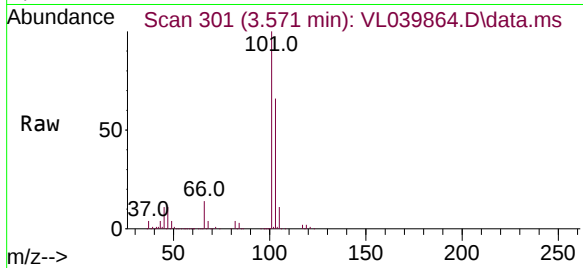




#11  
 Trichlorofluoromethane  
 Concen: 11.137 ppbv  
 RT: 3.571 min Scan# 300  
 Delta R.T. 0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

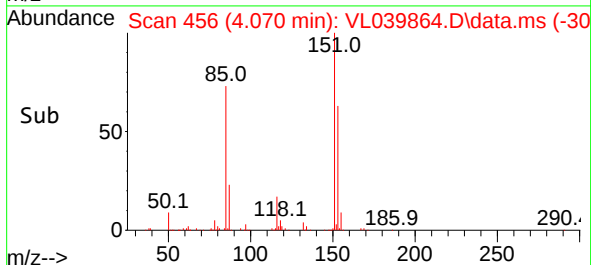
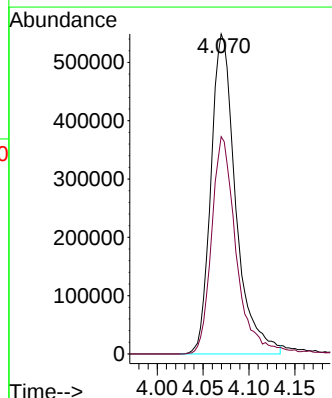
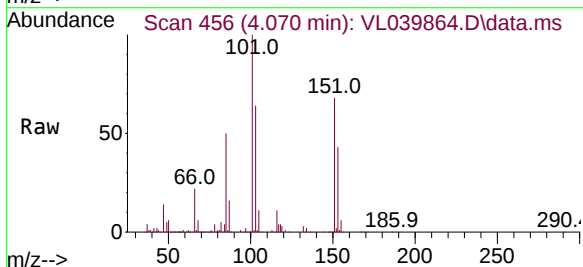
Instrument :  
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 ClientSampleId :  
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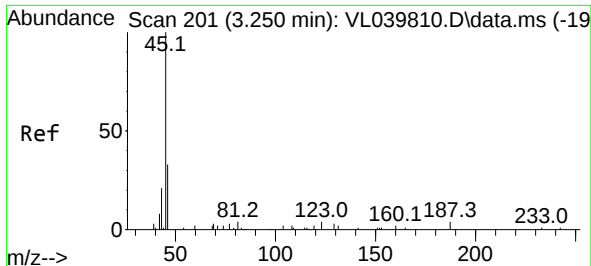
Tgt Ion:101 Resp: 1472037  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 52.2 78.2



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 10.811 ppbv  
 RT: 4.070 min Scan# 456  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion:101 Resp: 1032025  
 Ion Ratio Lower Upper  
 101 100  
 151 68.6 57.2 85.8

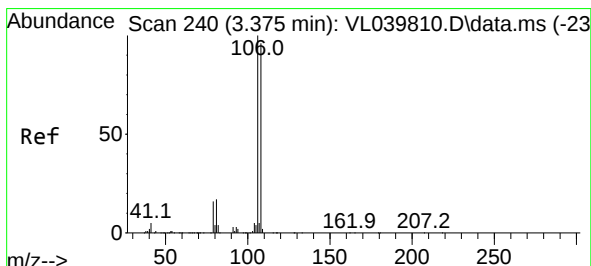
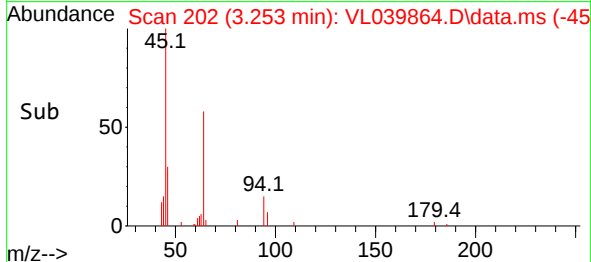
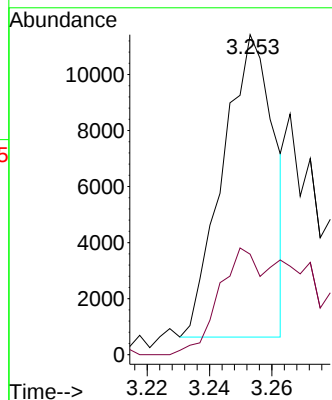
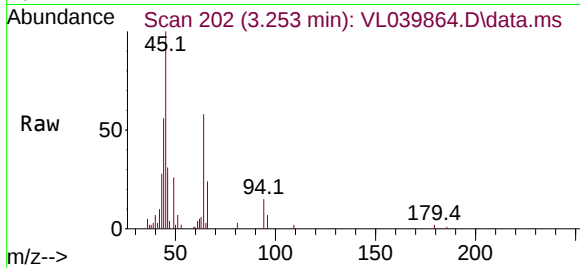




#13  
Ethanol  
Concen: 2.914 ppbv  
RT: 3.253 min Scan# 201  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

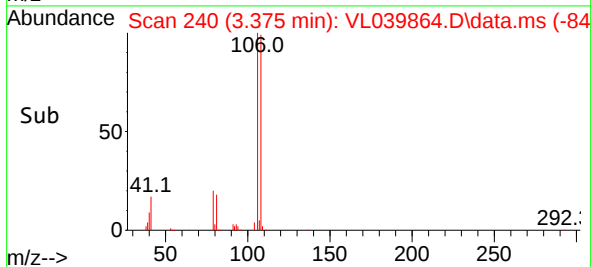
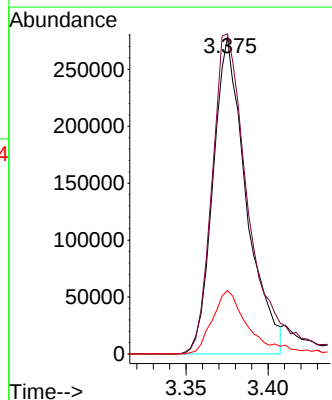
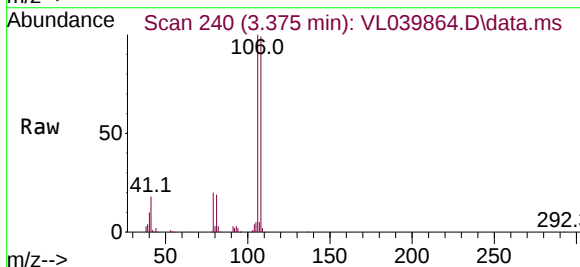
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

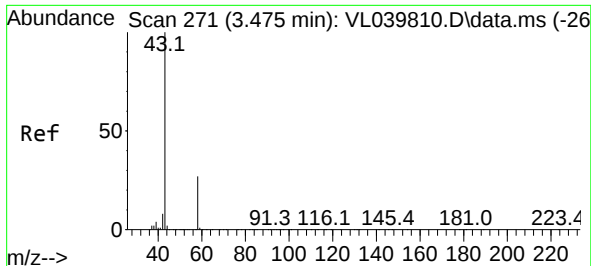
Tgt Ion: 45 Resp: 12281  
Ion Ratio Lower Upper  
45 100  
46 85.4 16.5 65.9#



#14  
Bromoethene  
Concen: 9.136 ppbv  
RT: 3.375 min Scan# 240  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:108 Resp: 390521  
Ion Ratio Lower Upper  
108 100  
106 116.0 87.8 131.8  
79 22.9 14.5 21.7#

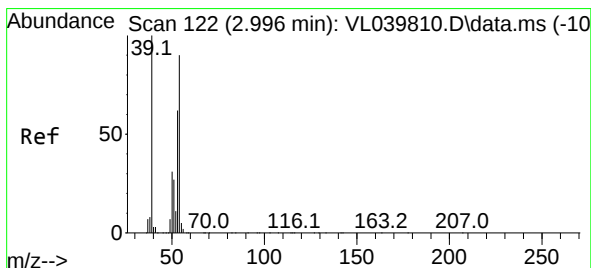
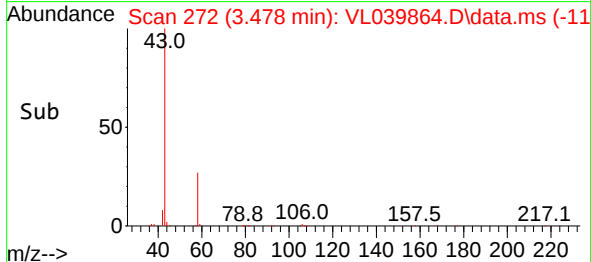
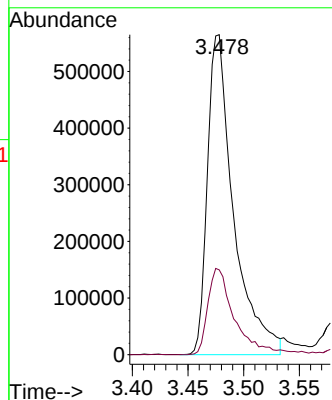
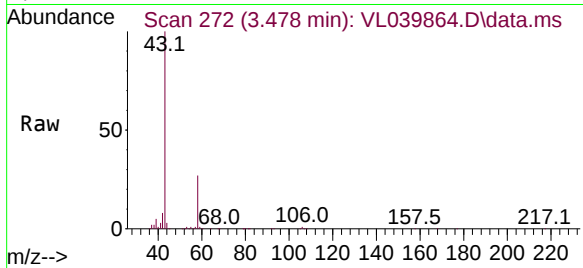




#15  
Acetone  
Concen: 7.910 ppbv  
RT: 3.478 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

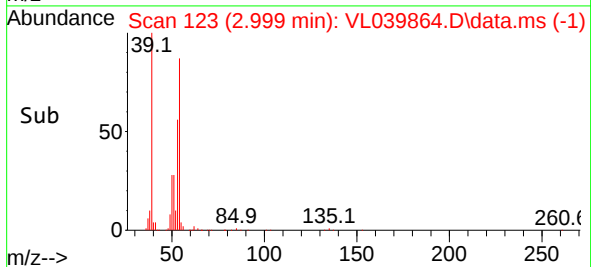
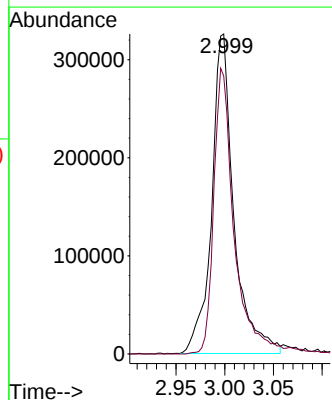
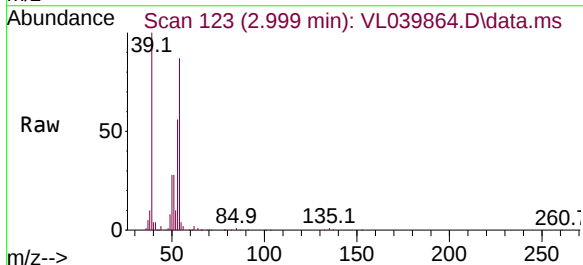
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

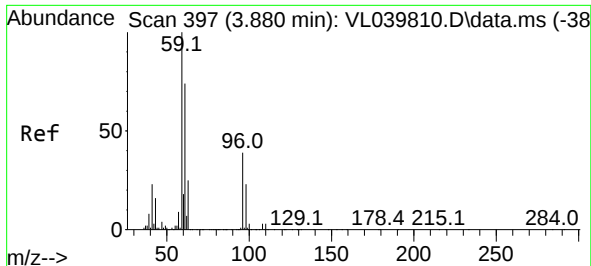
Tgt Ion: 43 Resp: 924298  
Ion Ratio Lower Upper  
43 100  
58 28.2 23.2 34.8



#16  
1,3-Butadiene  
Concen: 9.517 ppbv  
RT: 2.999 min Scan# 123  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 39 Resp: 517180  
Ion Ratio Lower Upper  
39 100  
54 83.9 71.0 106.4





#17

tert-Butyl alcohol

Concen: 8.065 ppbv

RT: 3.883 min Scan# 397

Delta R.T. 0.003 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

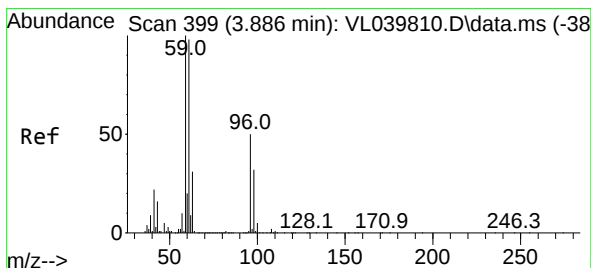
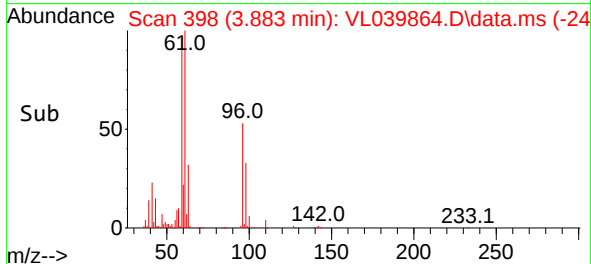
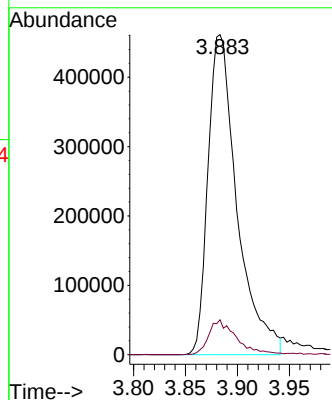
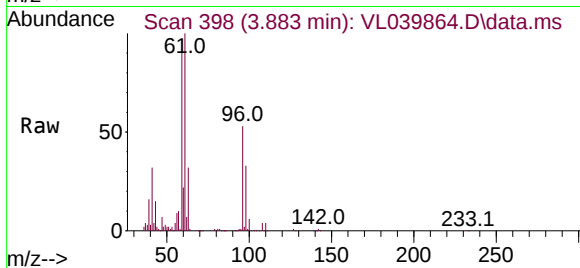
VSTDCCC010EC

Tgt Ion: 59 Resp: 897429

Ion Ratio Lower Upper

59 100

57 10.7 9.0 13.6



#18

1,1-Dichloroethene

Concen: 10.213 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.000 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

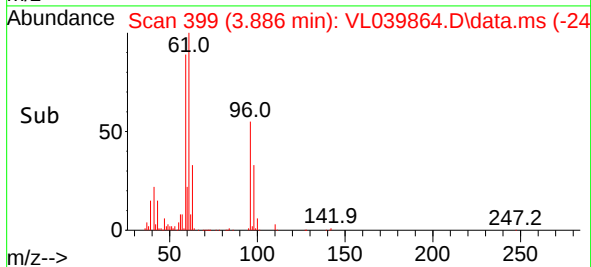
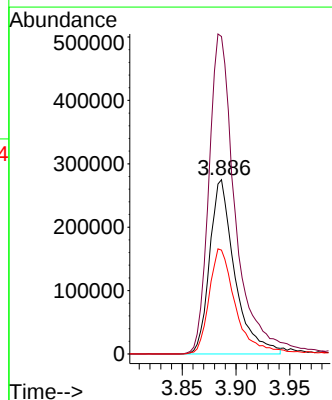
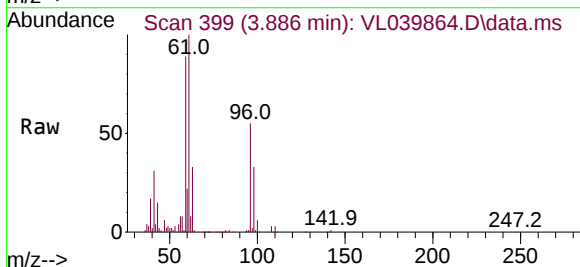
Tgt Ion: 96 Resp: 447038

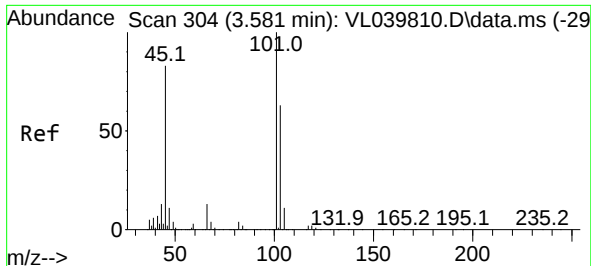
Ion Ratio Lower Upper

96 100

61 182.1 156.9 235.3

98 59.5 50.6 75.8

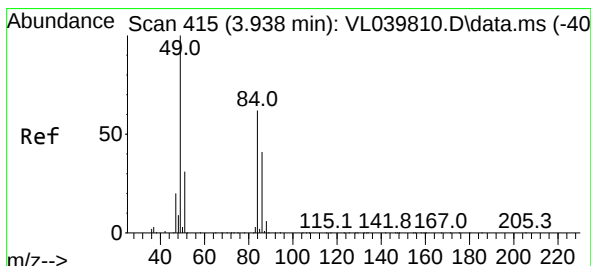
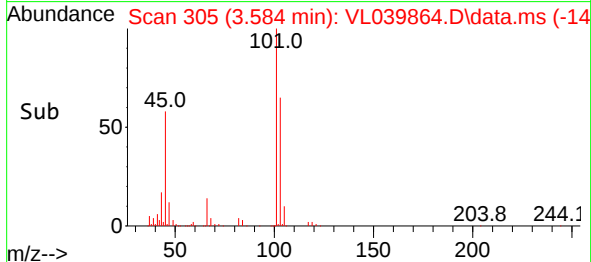
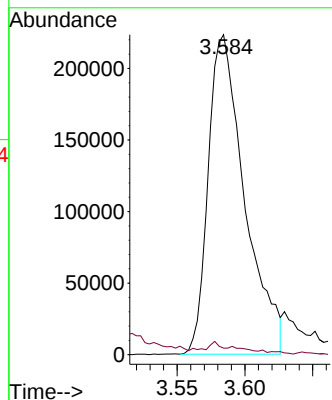
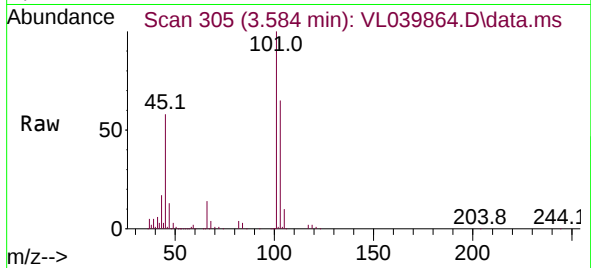




#19  
Isopropyl Alcohol  
Concen: 7.223 ppbv  
RT: 3.584 min Scan# 304  
Delta R.T. 0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

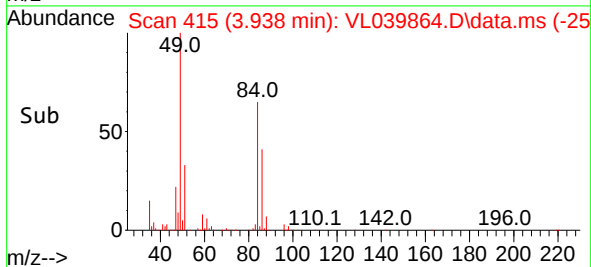
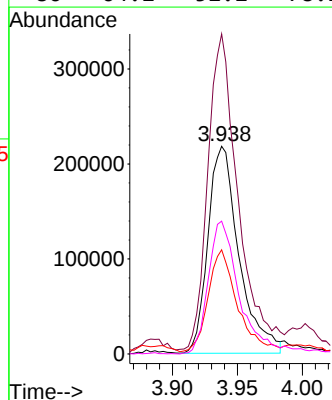
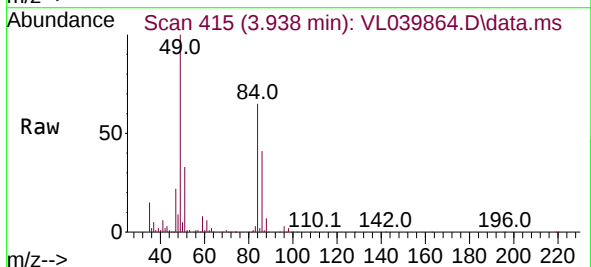
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

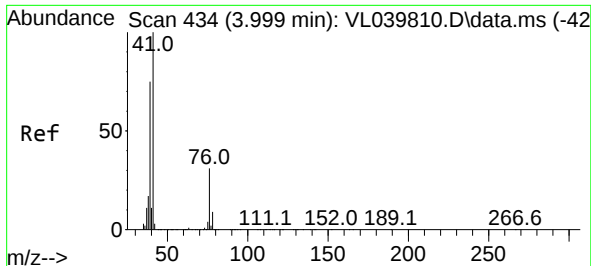
Tgt Ion: 45 Resp: 417731  
Ion Ratio Lower Upper  
45 100  
58 3.4 38.3 57.5#



#20  
Methylene Chloride  
Concen: 8.670 ppbv  
RT: 3.938 min Scan# 415  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 84 Resp: 362431  
Ion Ratio Lower Upper  
84 100  
49 152.5 128.6 192.8  
51 49.3 40.2 60.4  
86 64.2 52.2 78.2

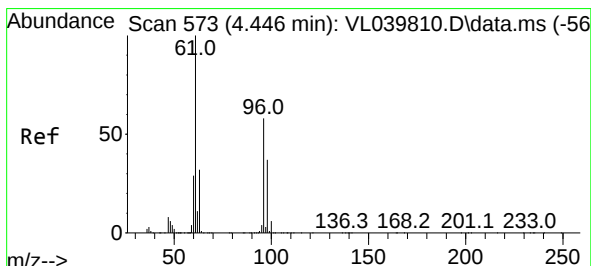
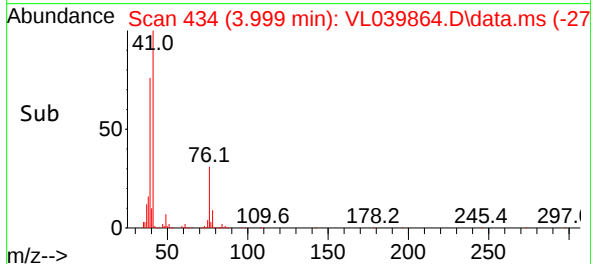
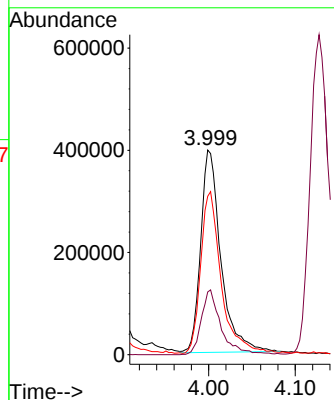
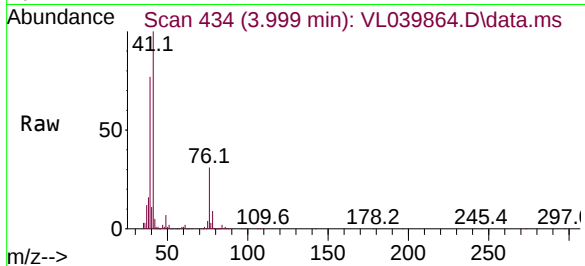




#21  
 Allyl Chloride  
 Concen: 8.704 ppbv  
 RT: 3.999 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

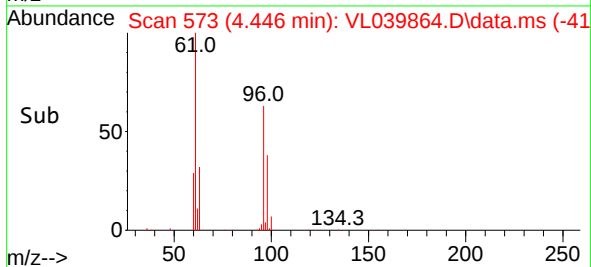
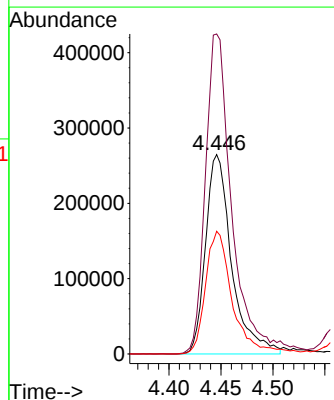
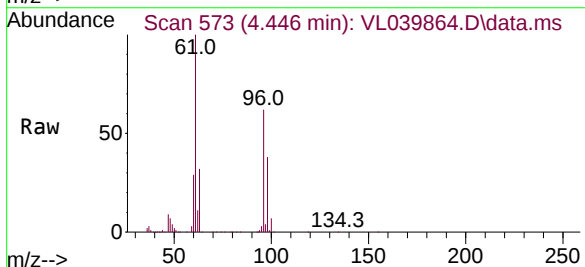
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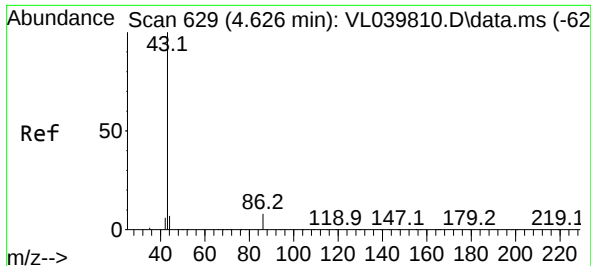
Tgt Ion: 41 Resp: 643314  
 Ion Ratio Lower Upper  
 41 100  
 76 31.4 24.1 36.1  
 39 81.8 64.3 96.5



#22  
 trans-1,2-Dichloroethene  
 Concen: 10.398 ppbv  
 RT: 4.446 min Scan# 573  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 96 Resp: 461958  
 Ion Ratio Lower Upper  
 96 100  
 61 160.2 137.6 206.4  
 98 61.5 51.2 76.8

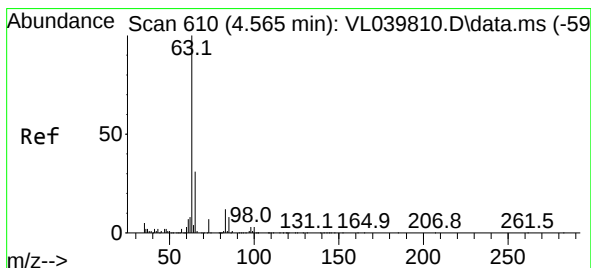
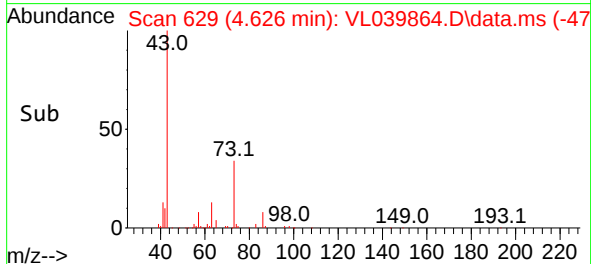
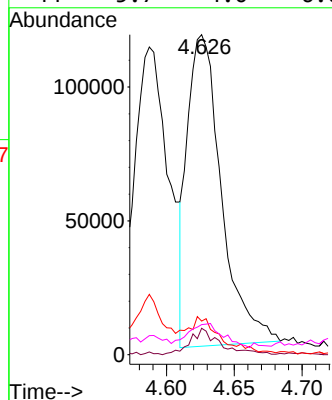
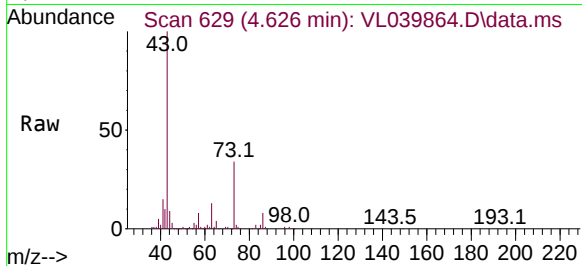




#23  
 Vinyl Acetate  
 Concen: 4.365 ppbv  
 RT: 4.626 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

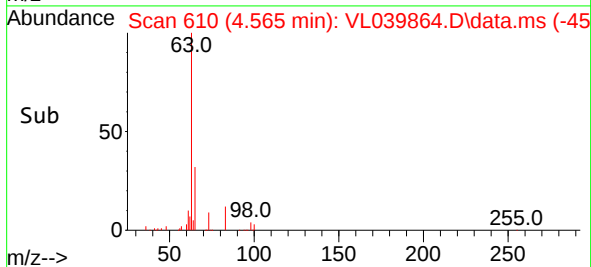
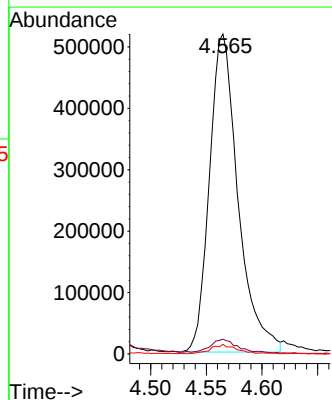
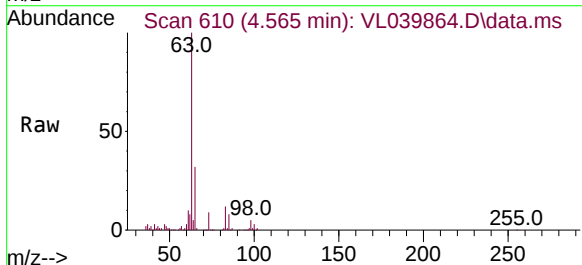
Instrument :  
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 ClientSampleId :  
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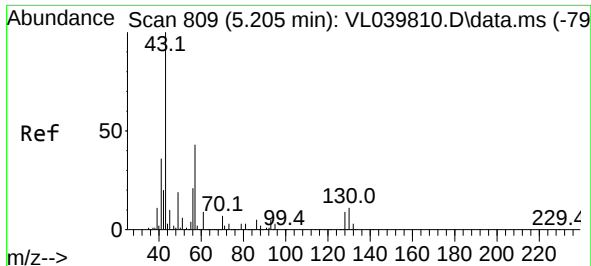
Tgt Ion: 43 Resp: 203196  
 Ion Ratio Lower Upper  
 43 100  
 86 8.2 5.0 7.4#  
 42 10.0 6.8 10.2  
 44 5.7 4.0 6.0



#24  
 1,1-Dichloroethane  
 Concen: 9.718 ppbv  
 RT: 4.565 min Scan# 610  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

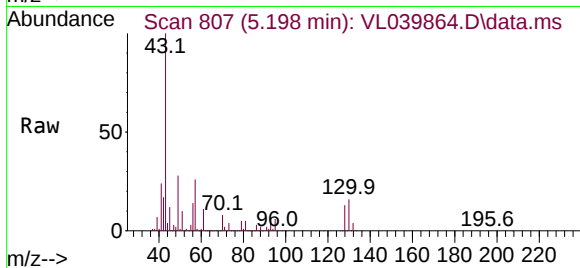
Tgt Ion: 63 Resp: 924039  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 1.8 5.4  
 100 3.0 1.5 4.4





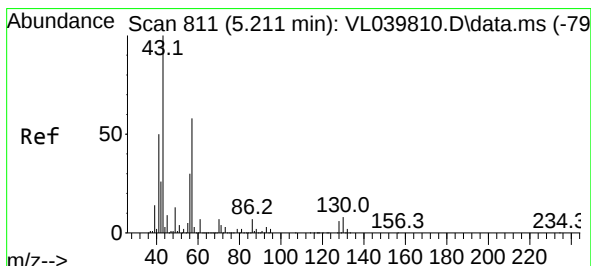
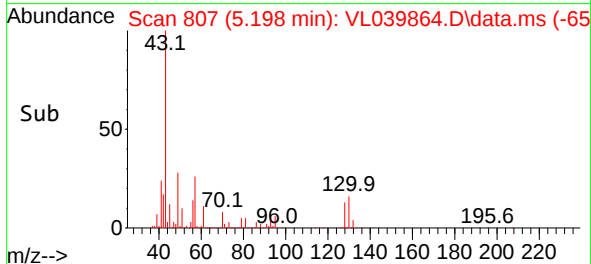
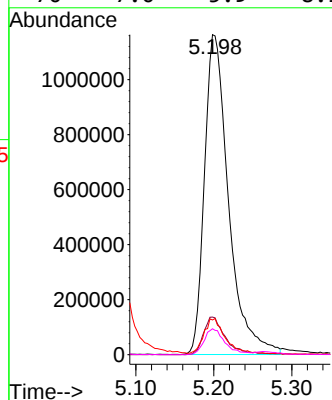
#25  
Ethyl Acetate  
Concen: 10.377 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC



Tgt Ion: 43 Resp: 2497658

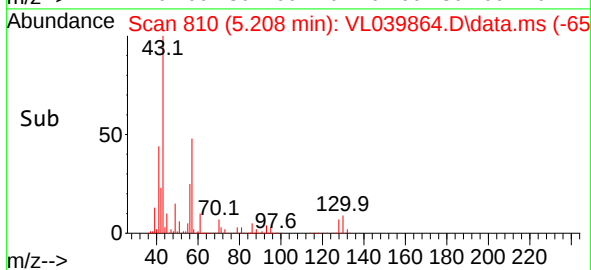
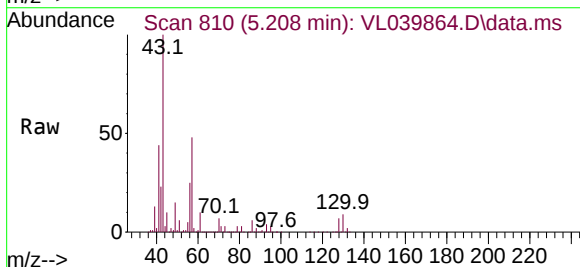
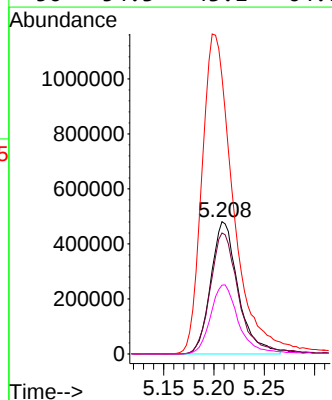
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 11.0  | 8.2   | 12.2  |
| 61  | 10.5  | 8.1   | 12.1  |
| 70  | 7.0   | 5.9   | 8.9   |

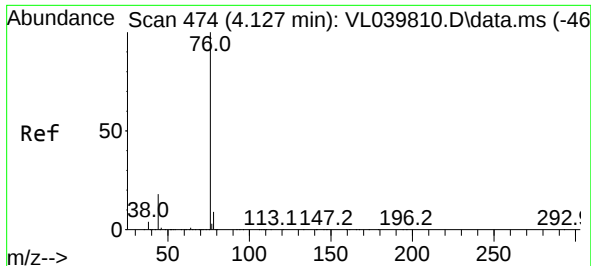


#26  
Hexane  
Concen: 8.484 ppbv  
RT: 5.208 min Scan# 810  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 57 Resp: 910405

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 96.8  | 73.7  | 110.5 |
| 43  | 281.3 | 189.8 | 284.8 |
| 56  | 54.3  | 43.1  | 64.7  |



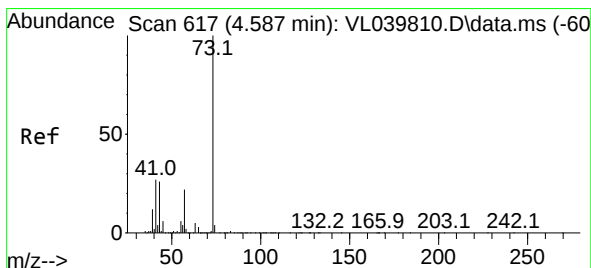
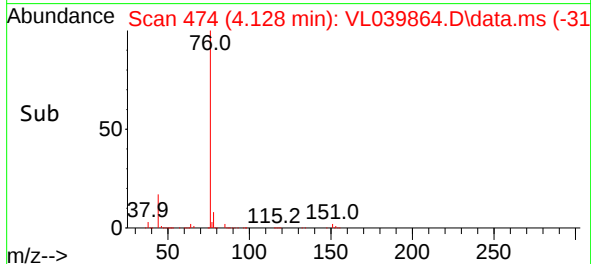
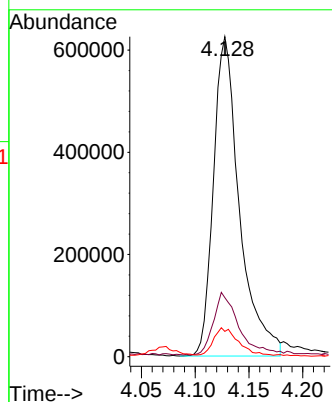
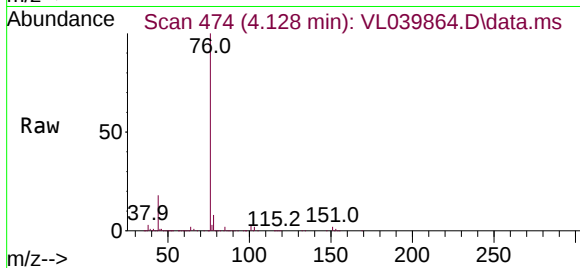


#27  
Carbon Disulfide  
Concen: 9.335 ppbv  
RT: 4.128 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

Tgt Ion: 76 Resp: 1051932

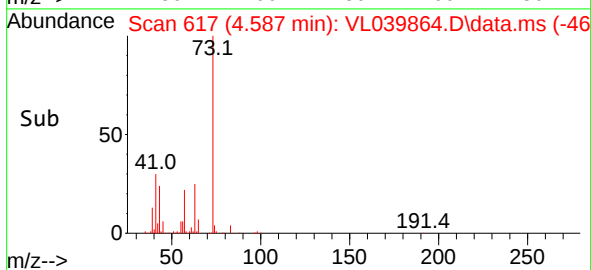
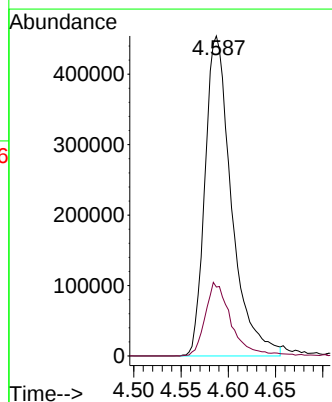
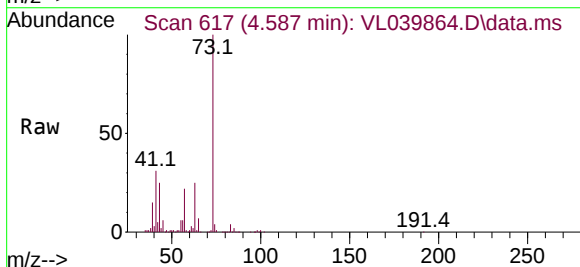
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 20.3  | 14.6  | 22.0  |
| 78  | 9.6   | 7.6   | 11.4  |

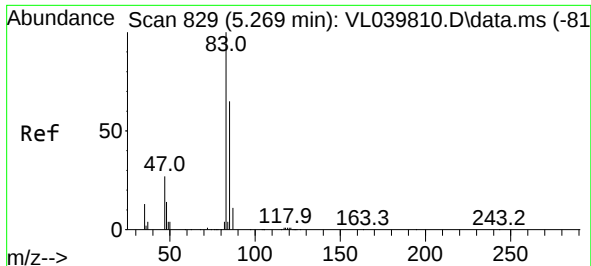


#28  
Methyl tert-Butyl Ether  
Concen: 9.132 ppbv  
RT: 4.587 min Scan# 617  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 73 Resp: 887062

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 22.8  | 19.4  | 29.2  |





#29

Chloroform

Concen: 10.227 ppbv

RT: 5.269 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

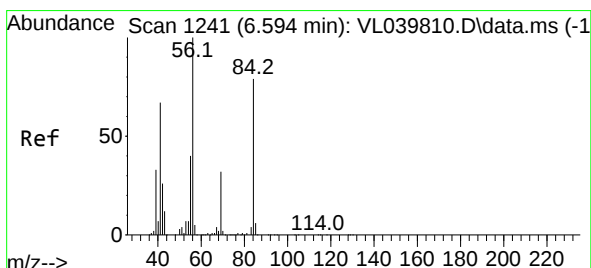
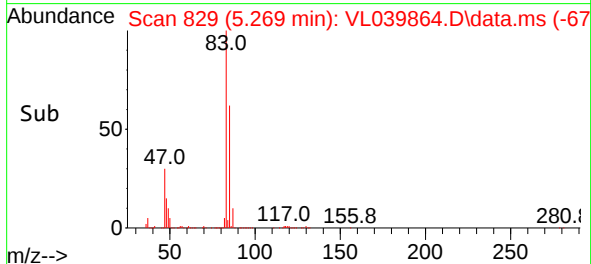
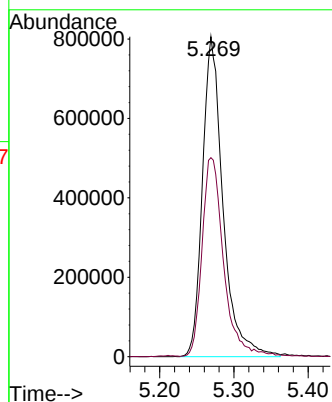
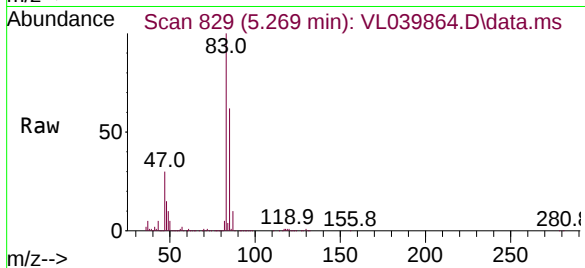
VSTDCCC010EC

Tgt Ion: 83 Resp: 1543212

Ion Ratio Lower Upper

83 100

85 62.1 51.6 77.4



#30

Cyclohexane

Concen: 8.349 ppbv

RT: 6.594 min Scan# 1241

Delta R.T. 0.000 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

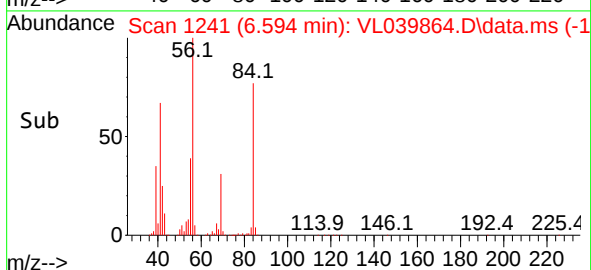
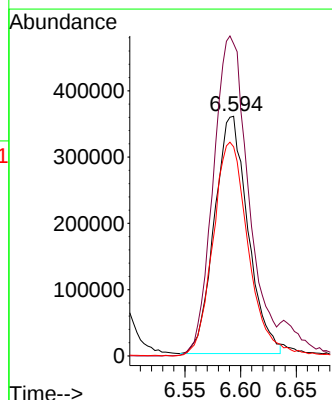
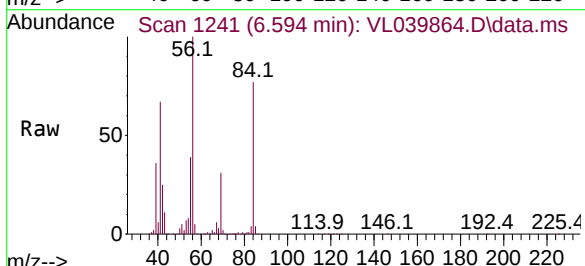
Tgt Ion: 84 Resp: 749249

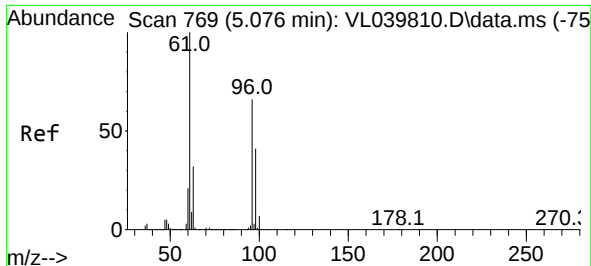
Ion Ratio Lower Upper

84 100

56 152.7 114.8 172.2

41 94.4 68.6 103.0

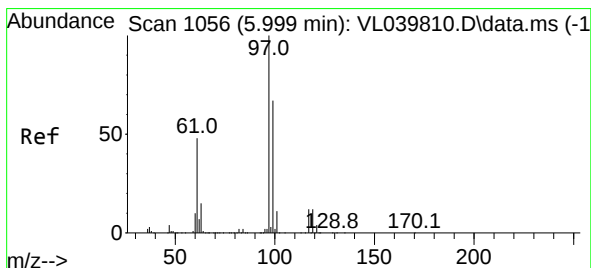
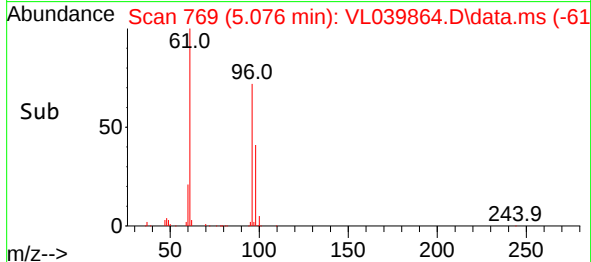
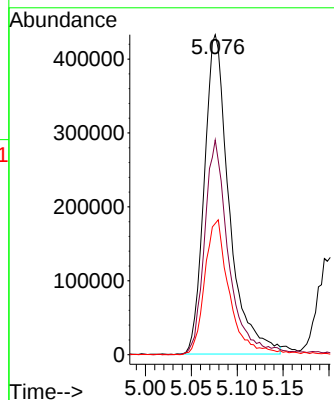
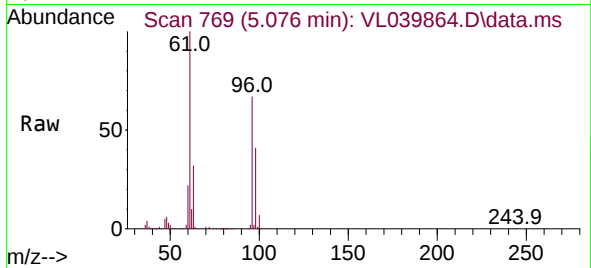




#31  
 cis-1,2-Dichloroethene  
 Concen: 8.351 ppbv  
 RT: 5.076 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

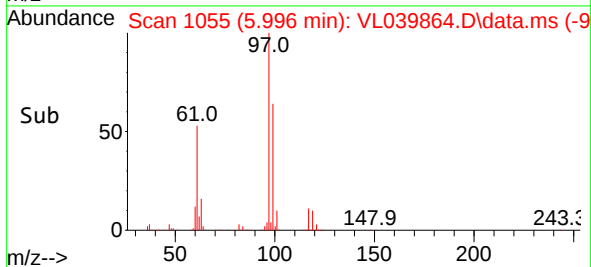
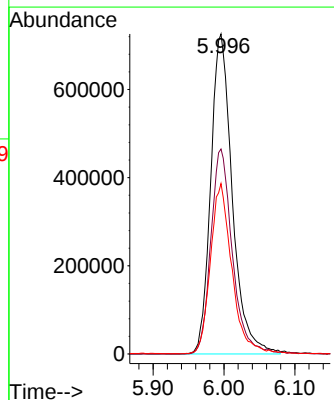
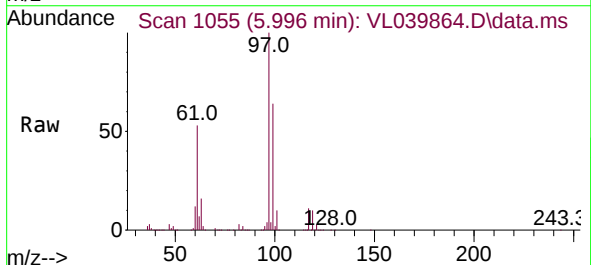
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

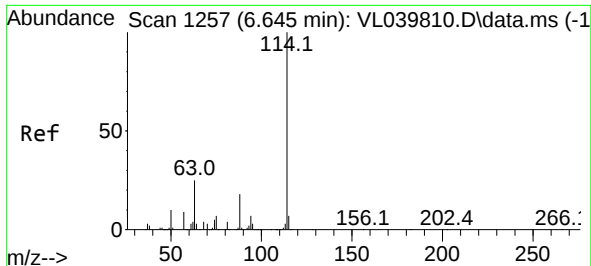
Tgt Ion: 61 Resp: 817135  
 Ion Ratio Lower Upper  
 61 100  
 96 67.1 52.6 78.8  
 98 41.1 32.6 48.8



#32  
 1,1,1-Trichloroethane  
 Concen: 10.216 ppbv  
 RT: 5.996 min Scan# 1055  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 97 Resp: 1534605  
 Ion Ratio Lower Upper  
 97 100  
 99 64.3 52.7 79.1  
 61 53.3 38.9 58.3

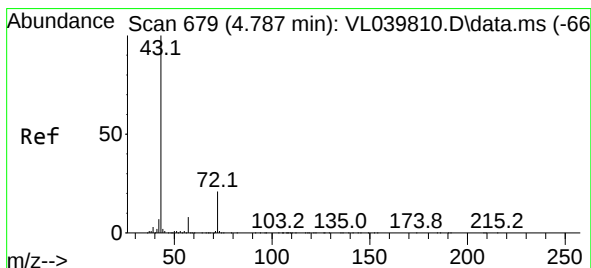
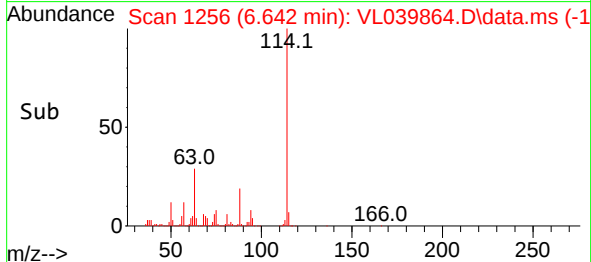
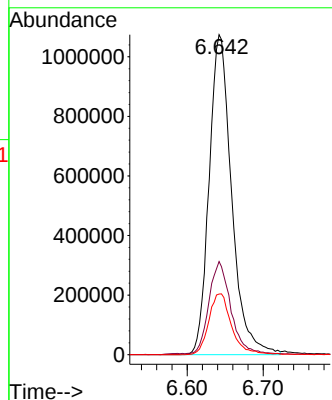
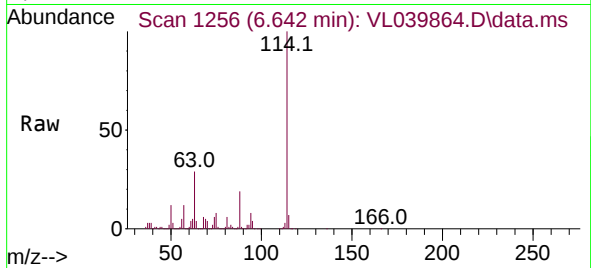




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.642 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

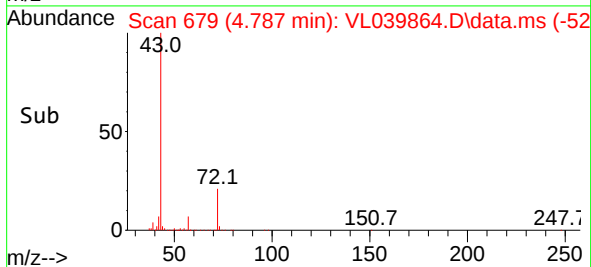
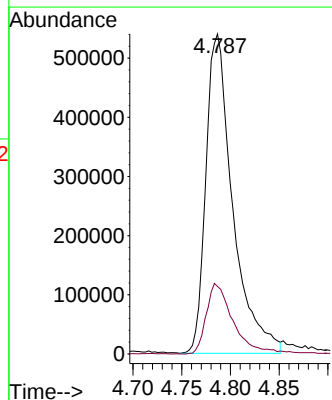
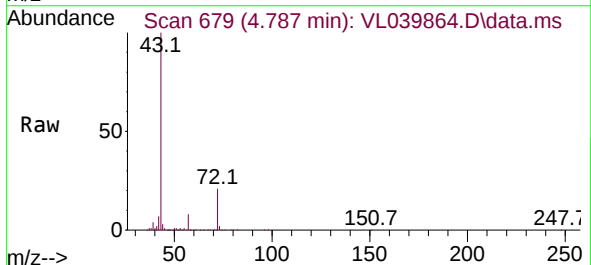
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

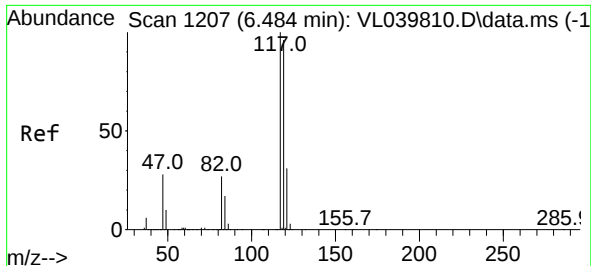
Tgt Ion:114 Resp: 2209016  
Ion Ratio Lower Upper  
114 100  
63 29.0 19.8 29.6  
88 19.4 14.4 21.6



#34  
2-Butanone  
Concen: 11.343 ppbv  
RT: 4.787 min Scan# 679  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 43 Resp: 1033722  
Ion Ratio Lower Upper  
43 100  
72 22.6 17.5 26.3

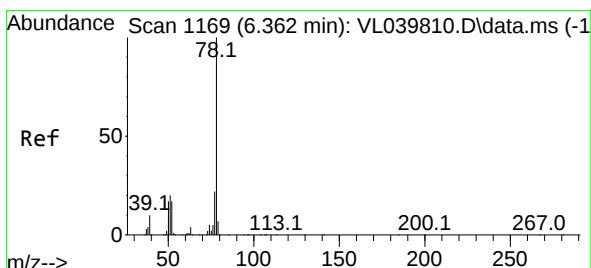
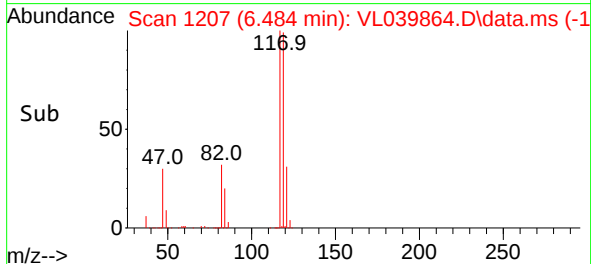
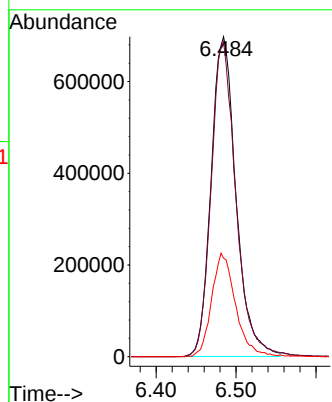
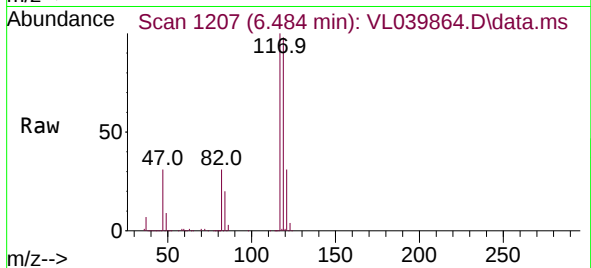




#35  
Carbon Tetrachloride  
Concen: 11.711 ppbv  
RT: 6.484 min Scan# 1168  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

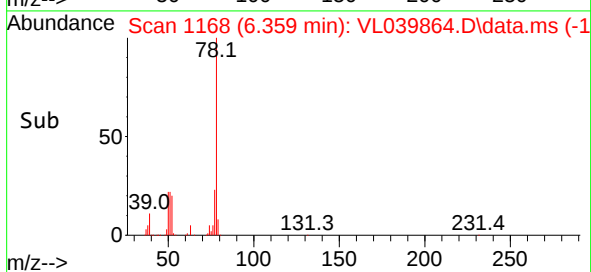
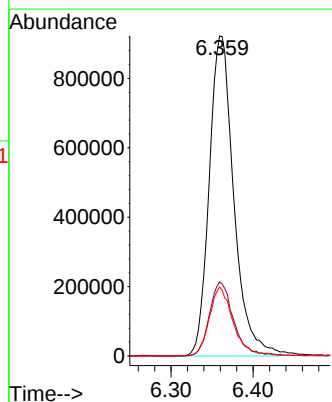
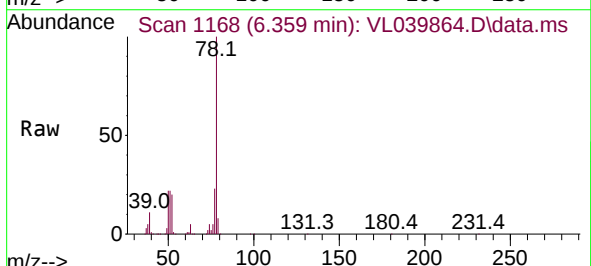
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010EC

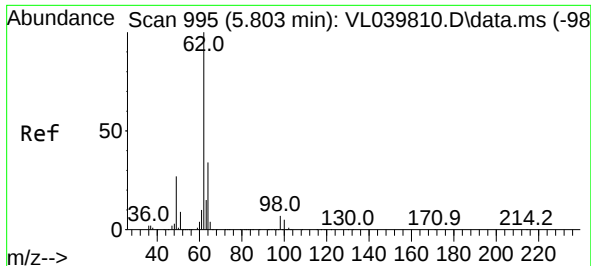
Tgt Ion:117 Resp: 1507934  
Ion Ratio Lower Upper  
117 100  
119 98.5 76.5 114.7  
121 30.8 25.2 37.8



#36  
Benzene  
Concen: 10.305 ppbv  
RT: 6.359 min Scan# 1168  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 78 Resp: 1920187  
Ion Ratio Lower Upper  
78 100  
77 23.1 17.4 26.2  
50 21.6 13.9 20.9#

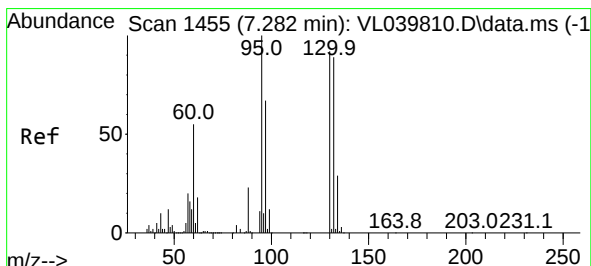
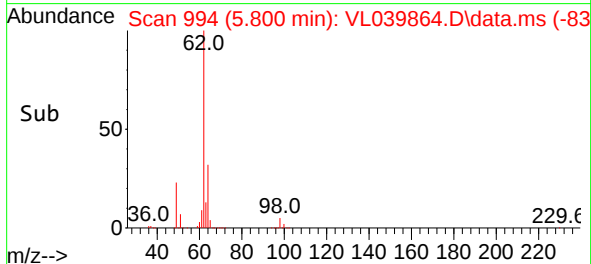
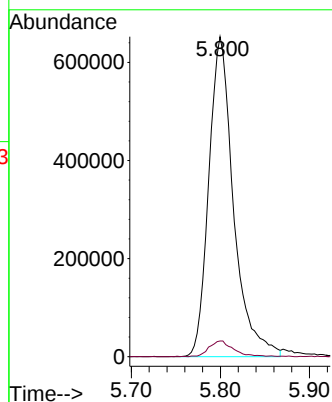
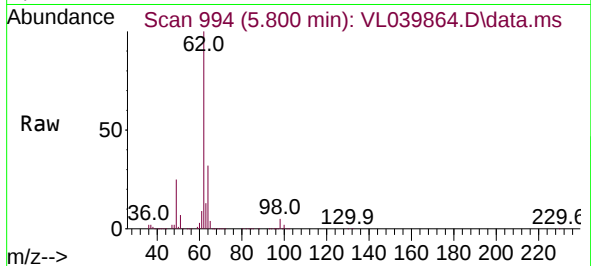




#37  
1,2-Dichloroethane  
Concen: 14.082 ppbv  
RT: 5.800 min Scan# 995  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

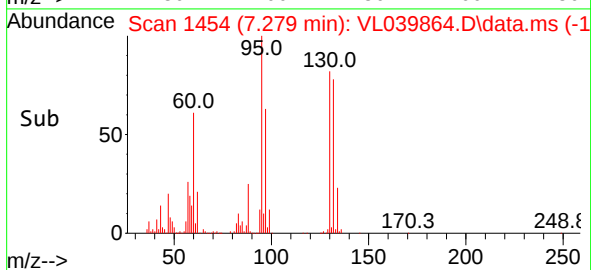
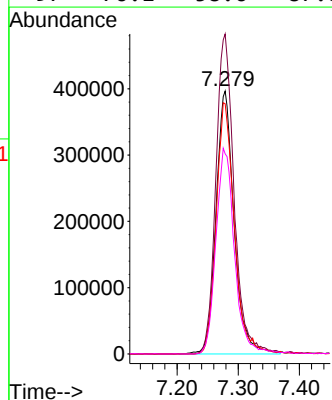
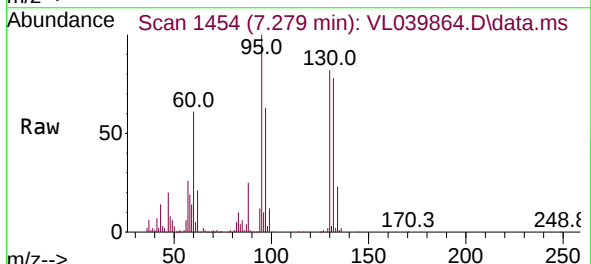
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

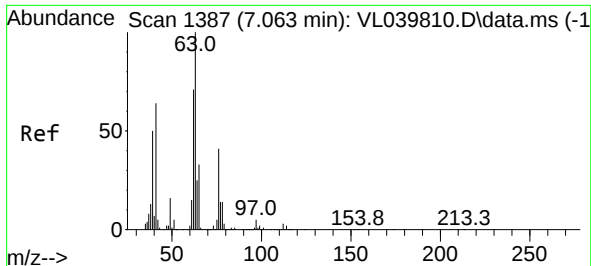
Tgt Ion: 62 Resp: 1258971  
Ion Ratio Lower Upper  
62 100  
98 5.1 5.4 8.2#



#38  
Trichloroethene  
Concen: 8.168 ppbv  
RT: 7.279 min Scan# 1454  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:130 Resp: 814721  
Ion Ratio Lower Upper  
130 100  
95 121.7 87.4 131.2  
132 95.2 77.7 116.5  
97 76.1 58.6 87.8





#39

1,2-Dichloropropane

Concen: 11.179 ppbv

RT: 7.063 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

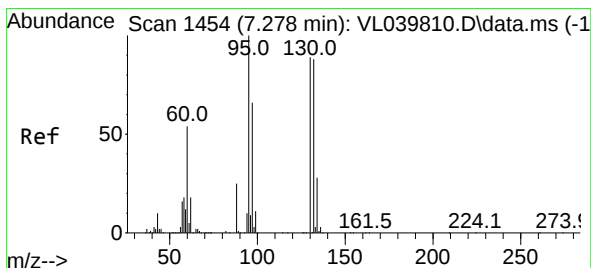
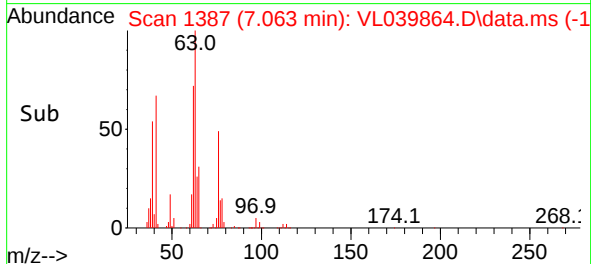
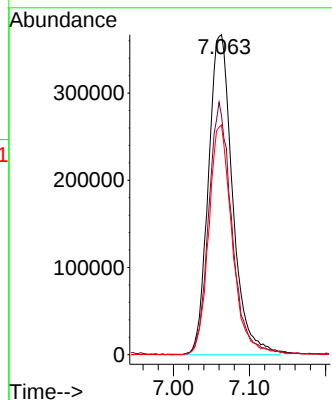
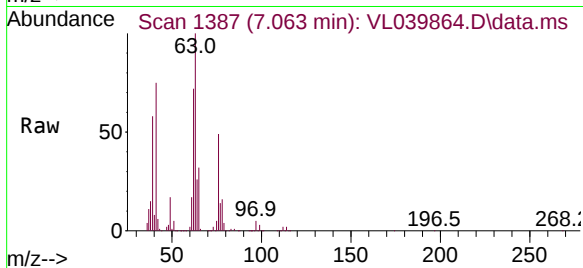
Tgt Ion: 63 Resp: 811617

Ion Ratio Lower Upper

63 100

41 74.7 51.0 76.4

62 71.6 56.6 85.0



#40

1,4-Dioxane

Concen: 10.000 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.003 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Tgt Ion: 88 Resp: 278020

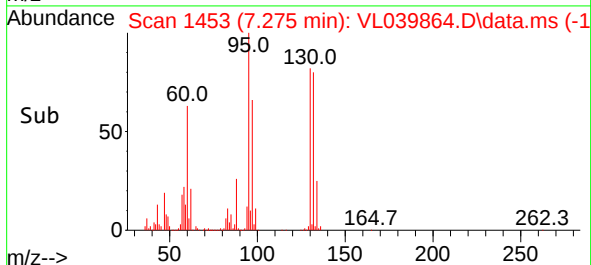
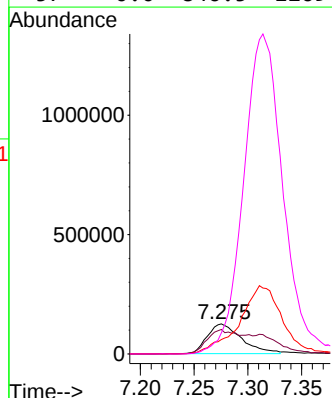
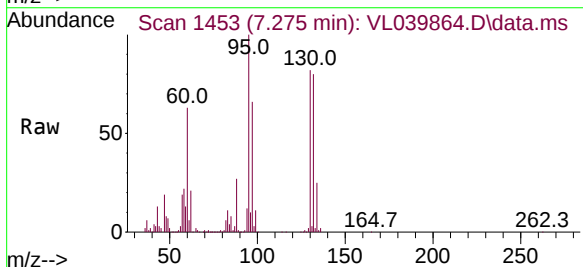
Ion Ratio Lower Upper

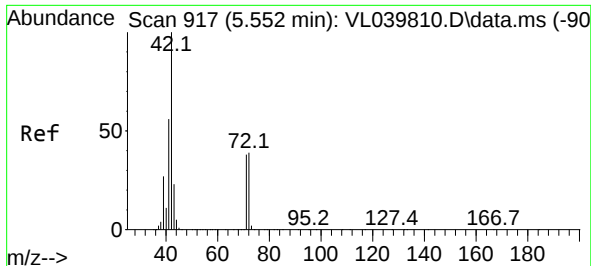
88 100

58 139.4 99.5 149.3

43 0.0 189.7 284.5#

57 0.0 846.5 1269.7#





#41

Tetrahydrofuran

Concen: 10.499 ppbv

RT: 5.552 min Scan# 917

Delta R.T. 0.000 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

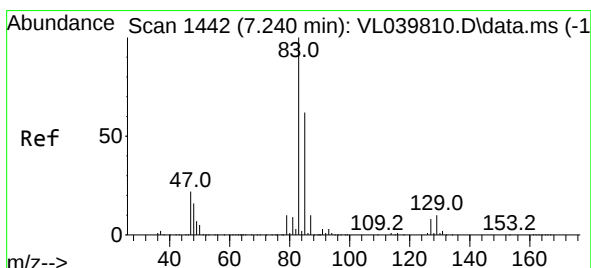
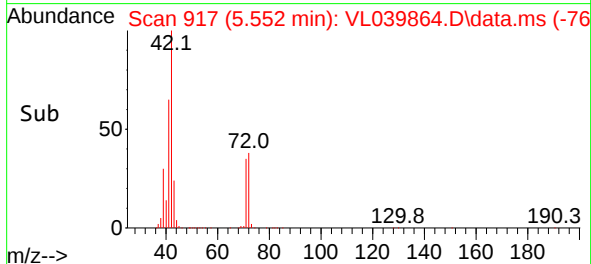
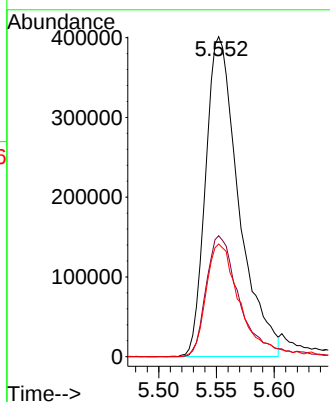
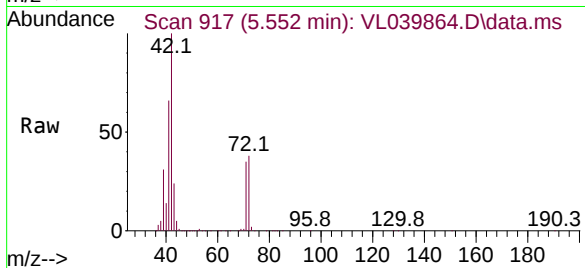
Tgt Ion: 42 Resp: 799638

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.2

71 37.1 31.5 47.3



#42

Bromodichloromethane

Concen: 12.123 ppbv

RT: 7.234 min Scan# 1440

Delta R.T. -0.006 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

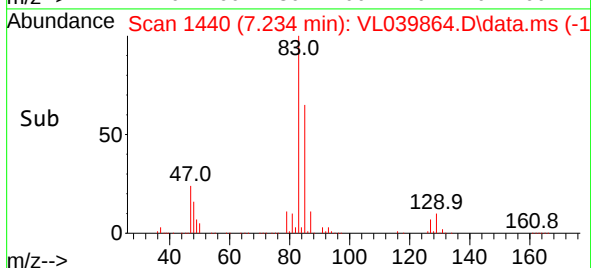
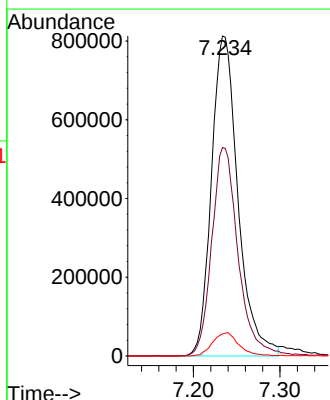
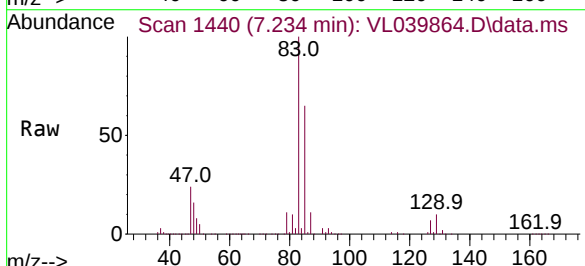
Tgt Ion: 83 Resp: 1731074

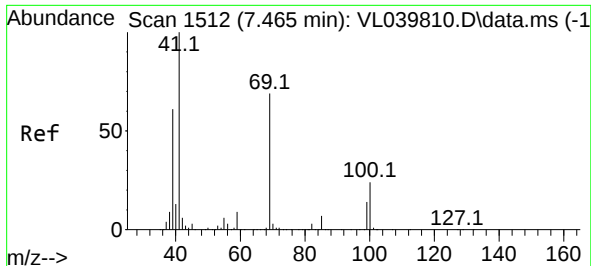
Ion Ratio Lower Upper

83 100

85 65.2 49.9 74.9

127 6.9 6.4 9.6

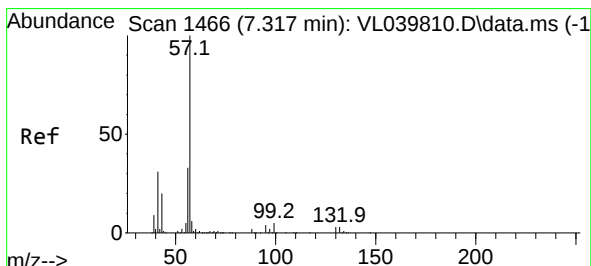
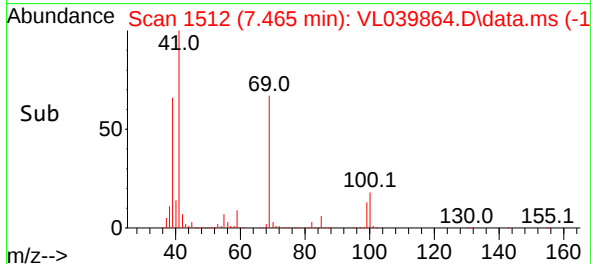
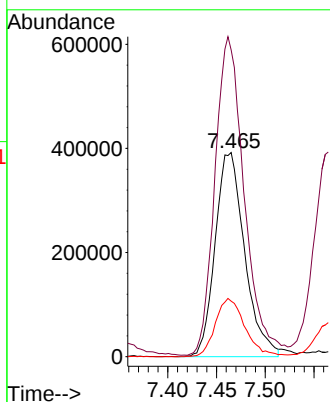
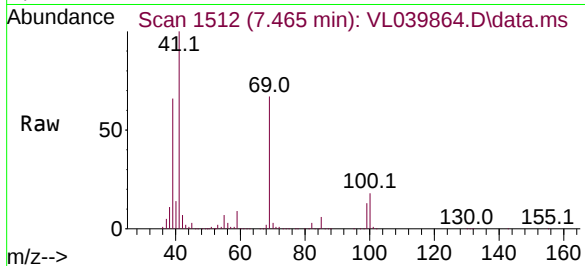




#43  
Methyl Methacrylate  
Concen: 11.212 ppbv  
RT: 7.465 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

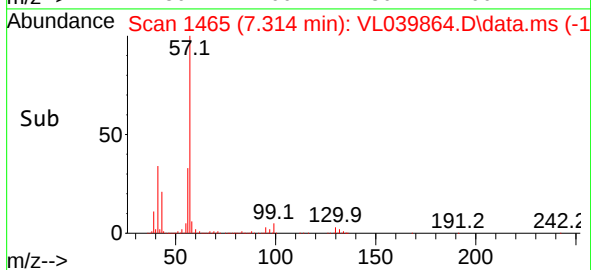
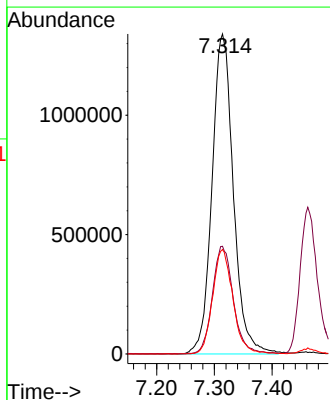
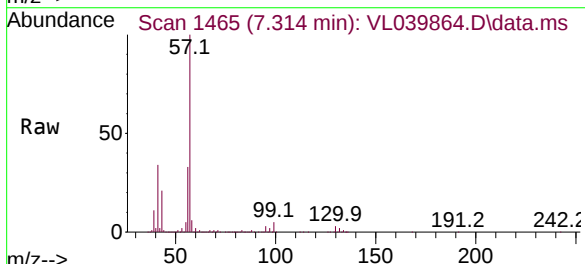
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

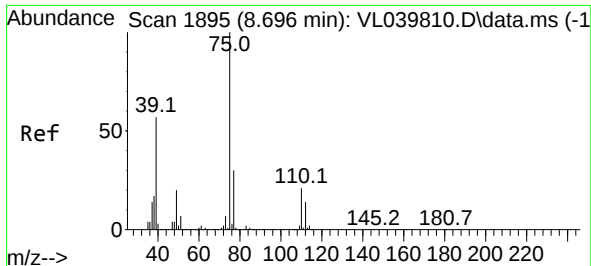
Tgt Ion: 69 Resp: 825672  
Ion Ratio Lower Upper  
69 100  
41 156.0 115.7 173.5  
100 28.7 25.9 38.9



#44  
2,2,4-Trimethylpentane  
Concen: 10.931 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 57 Resp: 3438252  
Ion Ratio Lower Upper  
57 100  
41 32.9 24.6 36.8  
56 31.2 25.4 38.0

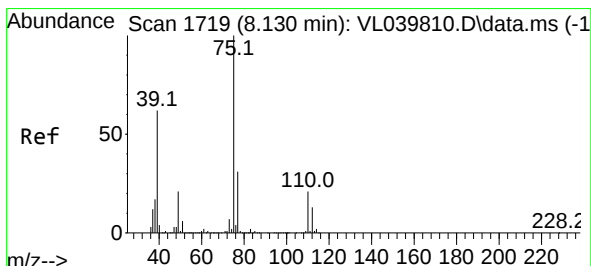
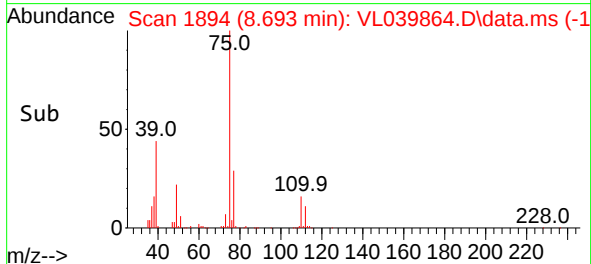
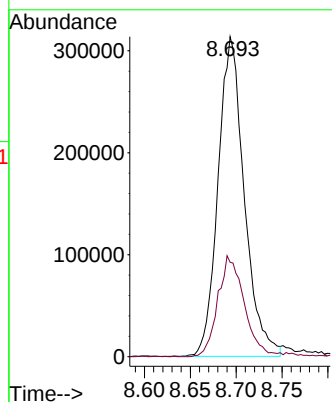
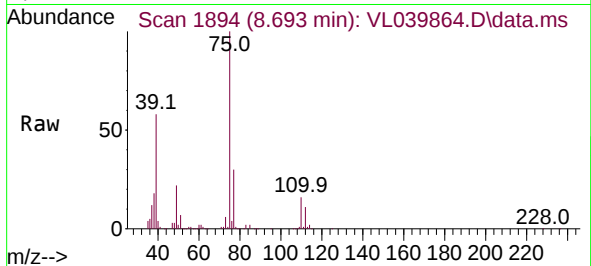




#45  
 t-1,3-Dichloropropene  
 Concen: 8.839 ppbv  
 RT: 8.693 min Scan# 1894  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

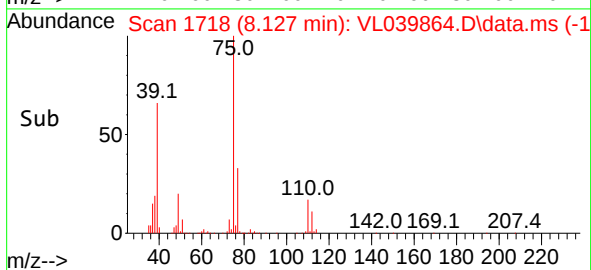
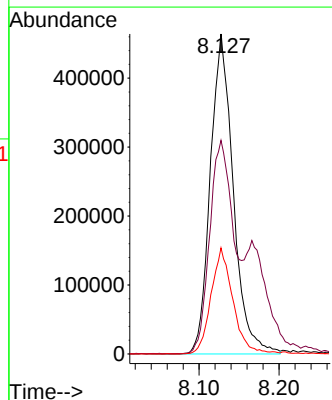
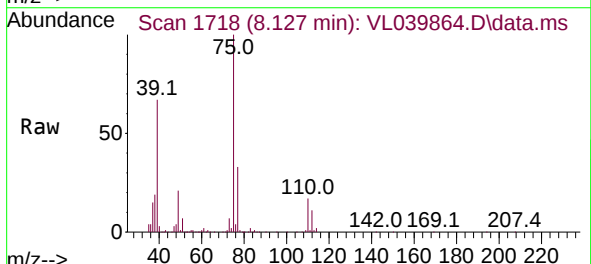
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

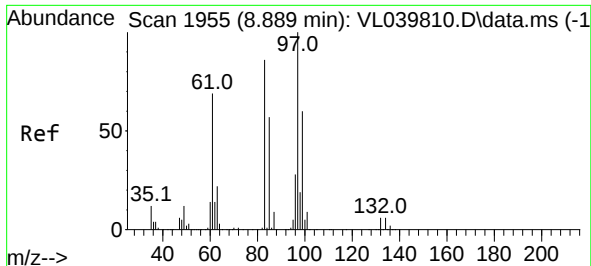
Tgt Ion: 75 Resp: 623571  
 Ion Ratio Lower Upper  
 75 100  
 77 29.5 24.4 36.6



#46  
 cis-1,3-Dichloropropene  
 Concen: 9.601 ppbv  
 RT: 8.127 min Scan# 1718  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 75 Resp: 924482  
 Ion Ratio Lower Upper  
 75 100  
 39 66.7 50.0 75.0  
 77 33.1 25.1 37.7





#47

1,1,2-Trichloroethane

Concen: 10.805 ppbv

RT: 8.880 min Scan# 1955

Delta R.T. -0.009 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 97 Resp: 794345

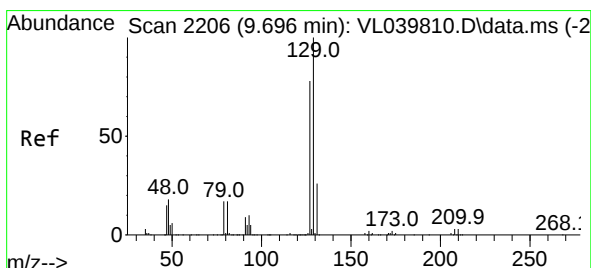
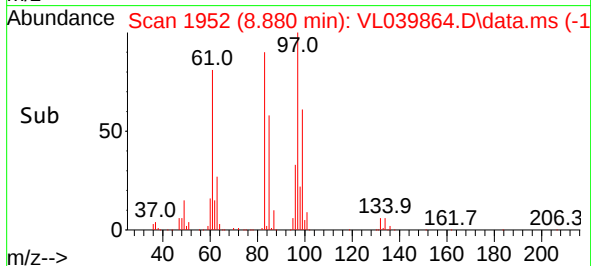
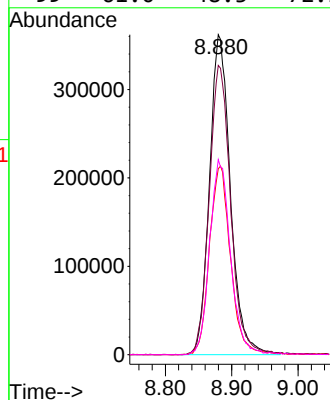
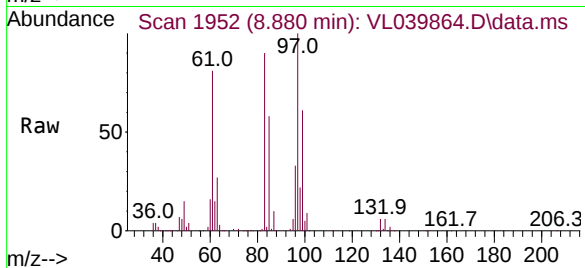
Ion Ratio Lower Upper

97 100

83 90.3 68.8 103.2

85 58.1 45.8 68.6

99 61.0 48.3 72.5



#48

Dibromochloromethane

Concen: 10.735 ppbv

RT: 9.690 min Scan# 2204

Delta R.T. -0.006 min

Lab File: VL039864.D

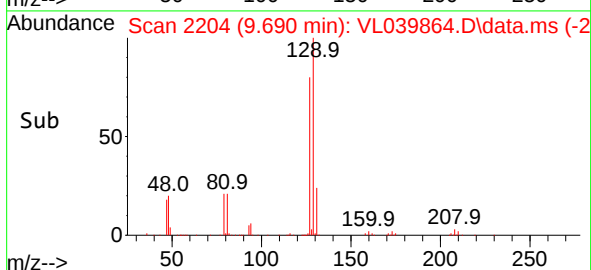
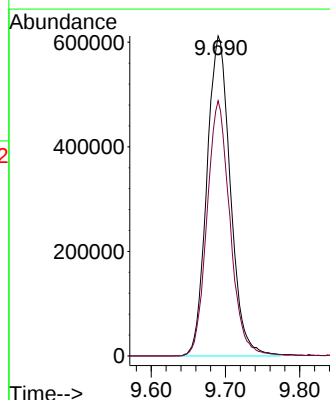
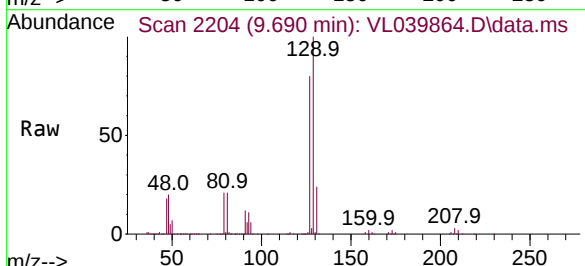
Acq: 10 Nov 2022 9:50

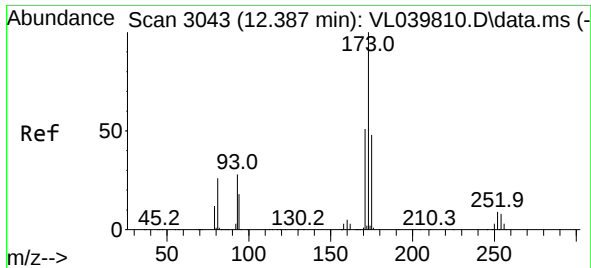
Tgt Ion: 129 Resp: 1344808

Ion Ratio Lower Upper

129 100

127 78.3 39.4 118.1





#49

Bromoform

Concen: 10.452 ppbv

RT: 12.384 min Scan# 3043

Delta R.T. -0.003 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

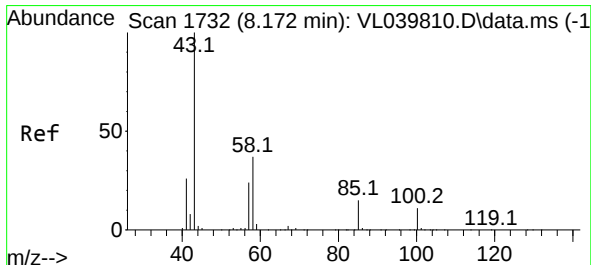
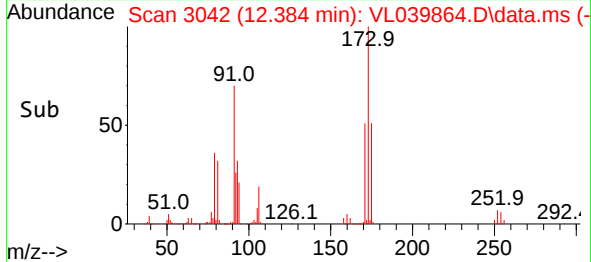
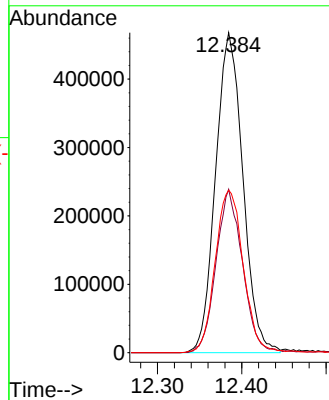
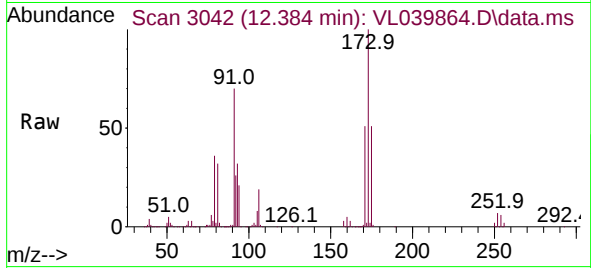
Tgt Ion:173 Resp: 1052404

Ion Ratio Lower Upper

173 100

175 49.8 39.7 59.5

171 52.5 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 11.655 ppbv

RT: 8.169 min Scan# 1731

Delta R.T. -0.003 min

Lab File: VL039864.D

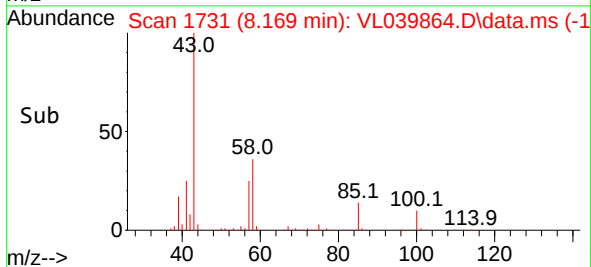
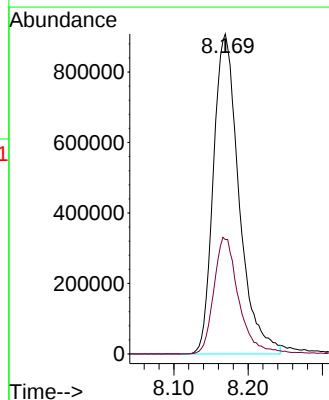
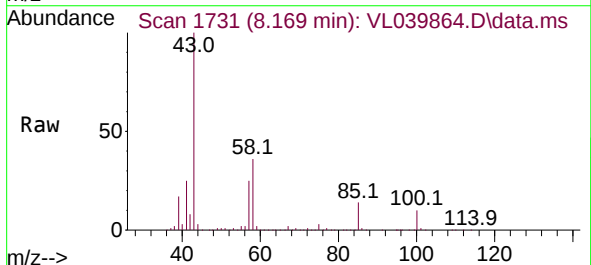
Acq: 10 Nov 2022 9:50

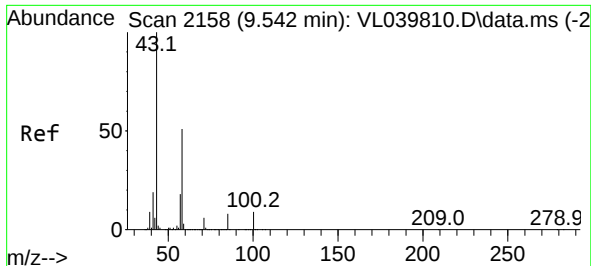
Tgt Ion: 43 Resp: 2174539

Ion Ratio Lower Upper

43 100

58 35.8 29.8 44.6

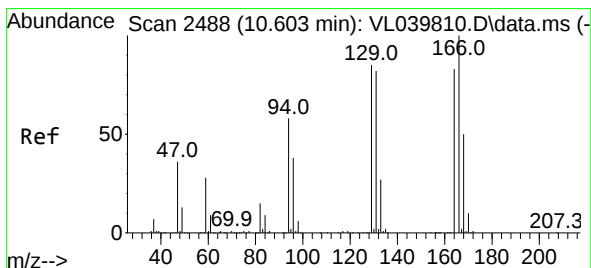
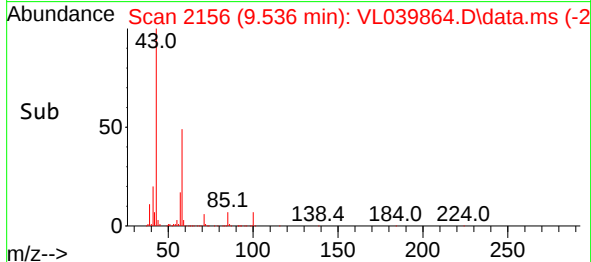
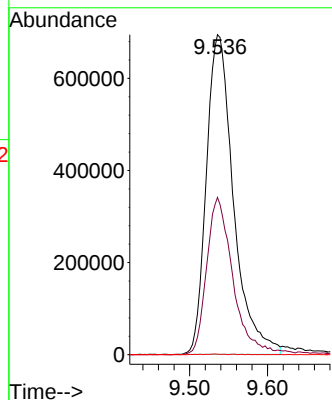
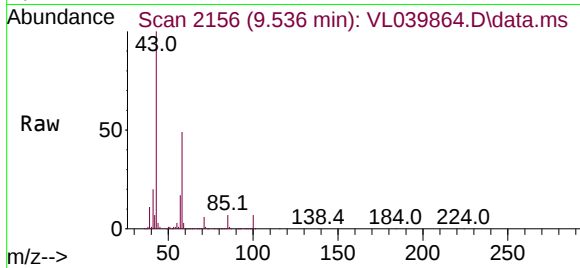




#51  
2-Hexanone  
Concen: 11.551 ppbv  
RT: 9.536 min Scan# 2158  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

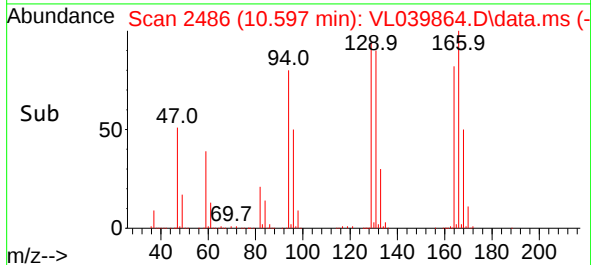
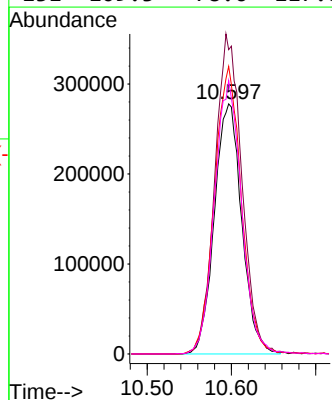
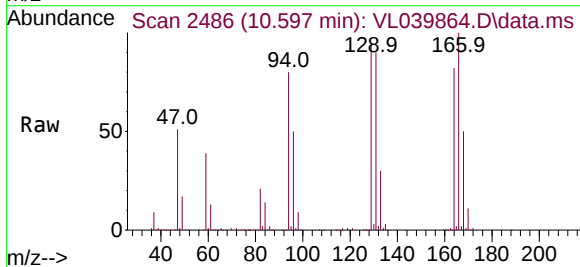
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

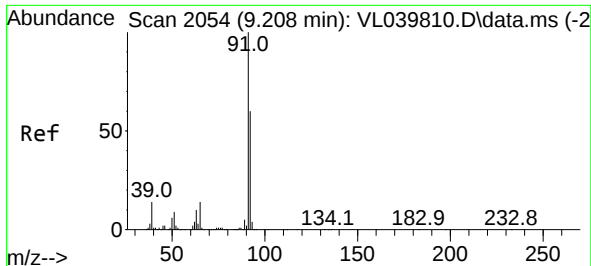
Tgt Ion: 43 Resp: 1680322  
Ion Ratio Lower Upper  
43 100  
58 49.2 40.5 60.7  
98 0.1 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 8.956 ppbv  
RT: 10.597 min Scan# 2486  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 164 Resp: 625223  
Ion Ratio Lower Upper  
164 100  
166 121.6 96.0 144.0  
129 114.9 81.4 122.2  
131 109.3 78.6 117.8

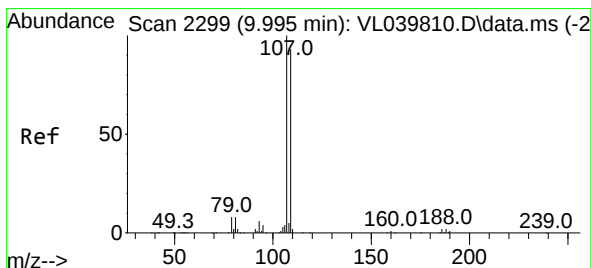
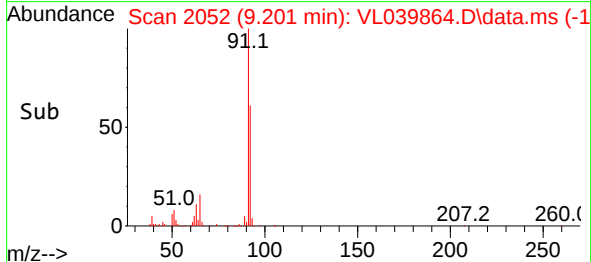
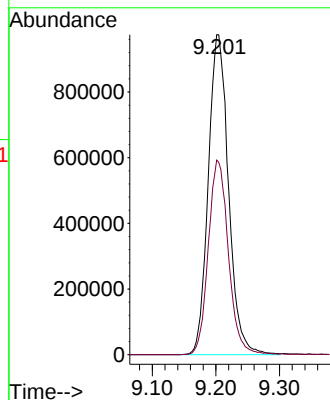
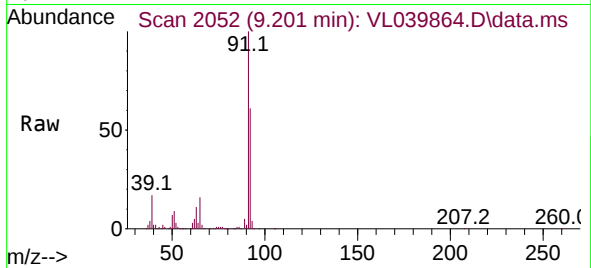




#53  
Toluene  
Concen: 10.072 ppbv  
RT: 9.201 min Scan# 2052  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

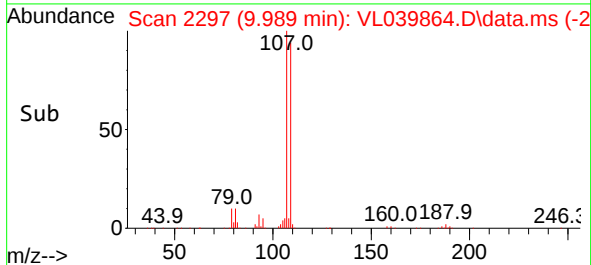
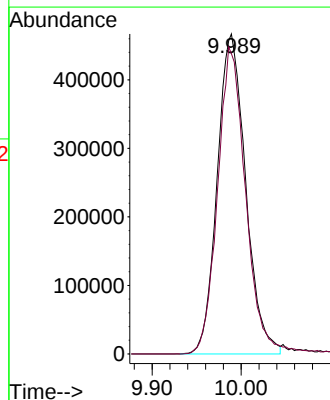
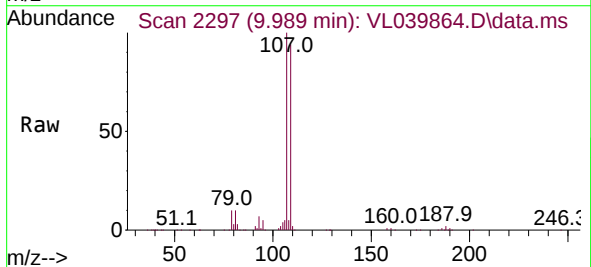
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

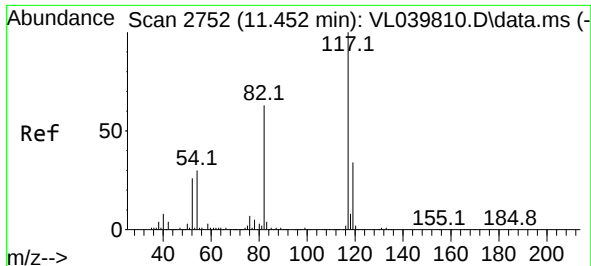
Tgt Ion: 91 Resp: 2153116  
Ion Ratio Lower Upper  
91 100  
92 60.6 49.6 74.4



#54  
1,2-Dibromoethane  
Concen: 12.680 ppbv  
RT: 9.989 min Scan# 2297  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 107 Resp: 1034552  
Ion Ratio Lower Upper  
107 100  
109 93.9 74.5 111.7

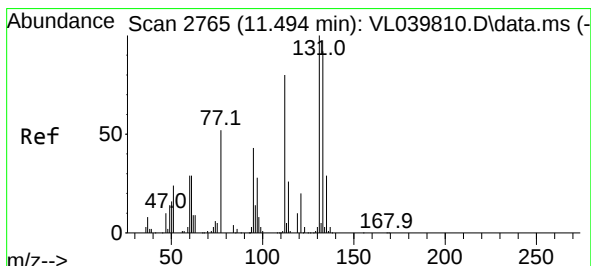
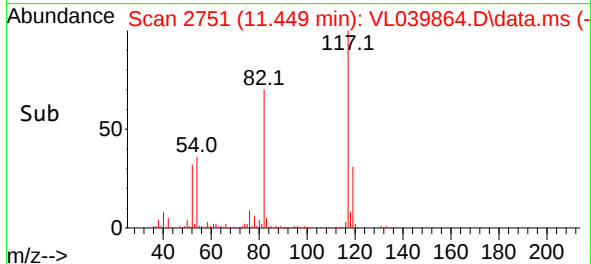
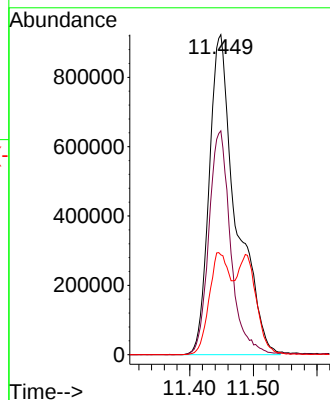
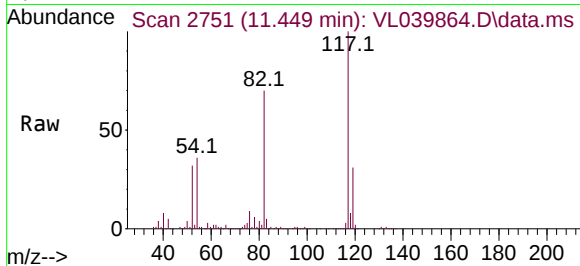




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.449 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

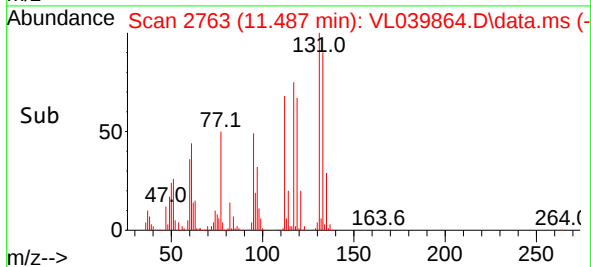
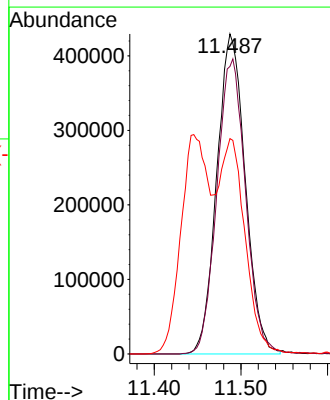
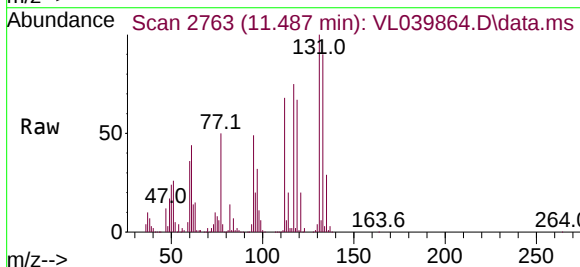
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

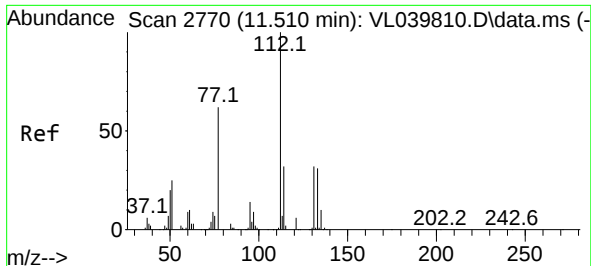
Tgt Ion:117 Resp: 2717838  
Ion Ratio Lower Upper  
117 100  
82 57.0 51.0 76.6  
119 24.8 24.7 37.1



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.413 ppbv  
RT: 11.487 min Scan# 2763  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:131 Resp: 977552  
Ion Ratio Lower Upper  
131 100  
133 93.4 76.9 115.3  
119 67.6 52.2 78.2

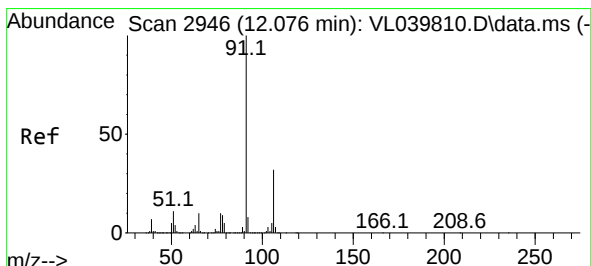
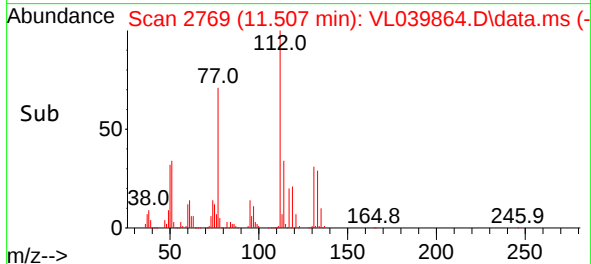
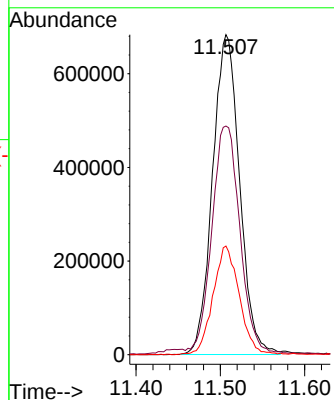
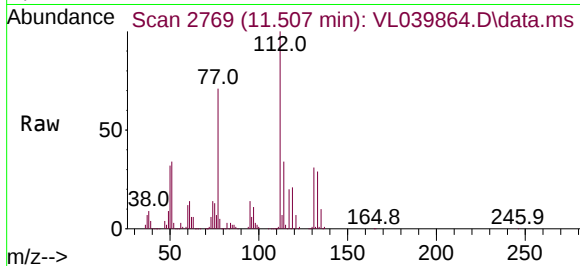




#57  
Chlorobenzene  
Concen: 7.398 ppbv  
RT: 11.507 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

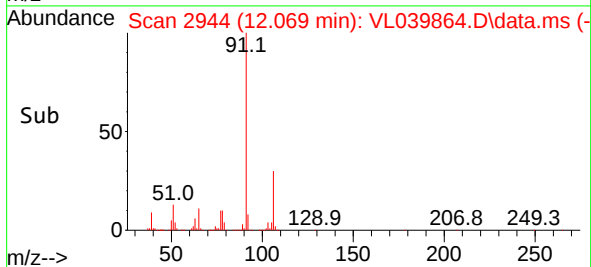
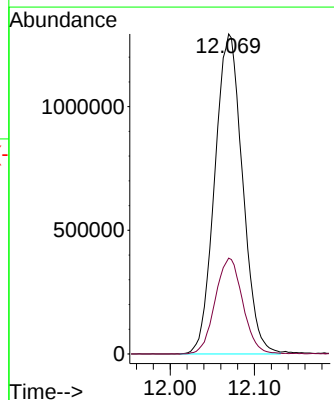
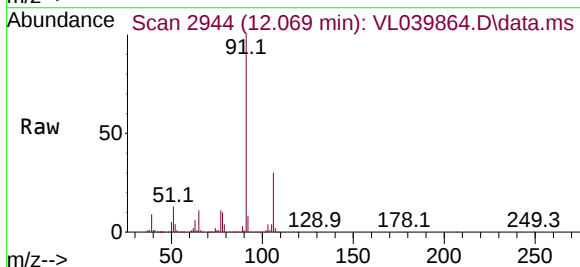
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

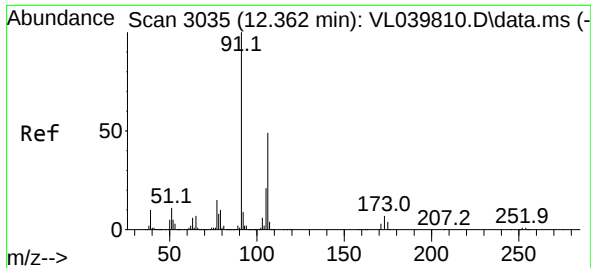
Tgt Ion:112 Resp: 1525166  
Ion Ratio Lower Upper  
112 100  
77 70.5 49.8 74.6  
114 33.8 29.0 35.4



#58  
Ethyl Benzene  
Concen: 8.051 ppbv  
RT: 12.069 min Scan# 2944  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 91 Resp: 2958577  
Ion Ratio Lower Upper  
91 100  
106 30.0 25.9 38.9





#59

m/p-Xylene

Concen: 7.037 ppbv

RT: 12.352 min Scan# 3035

Delta R.T. -0.009 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

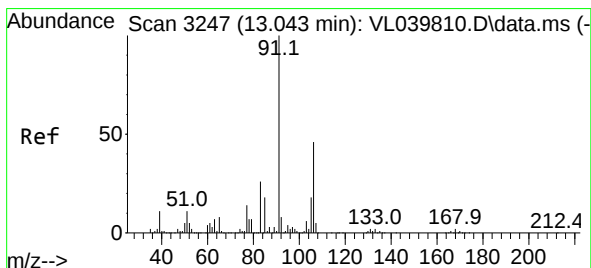
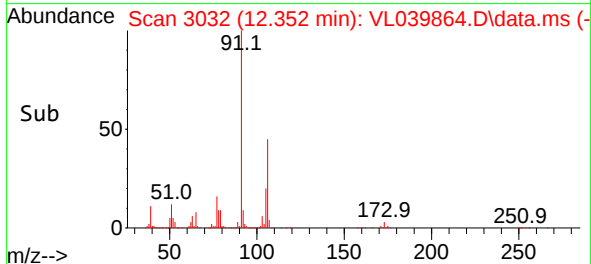
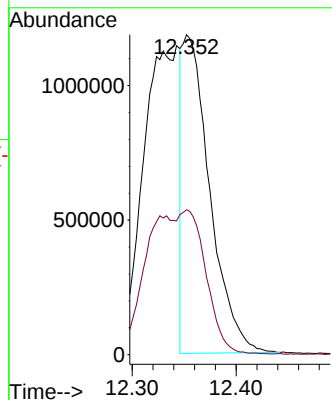
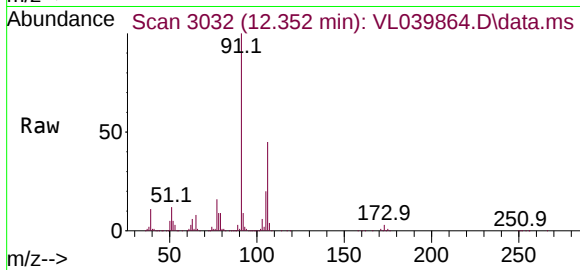
VSTDCCC010EC

Tgt Ion: 91 Resp: 2158530

Ion Ratio Lower Upper

91 100

106 98.5 37.6 56.4#



#60

o-Xylene

Concen: 8.280 ppbv

RT: 13.040 min Scan# 3246

Delta R.T. -0.003 min

Lab File: VL039864.D

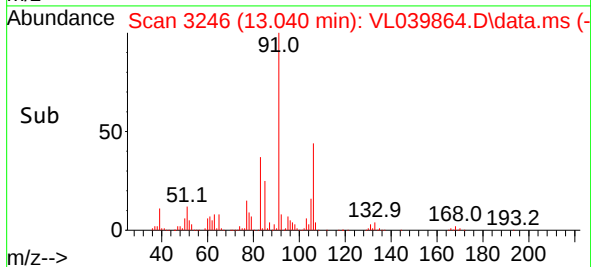
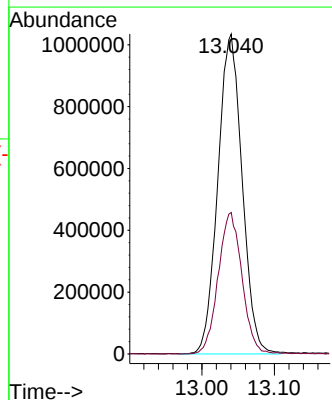
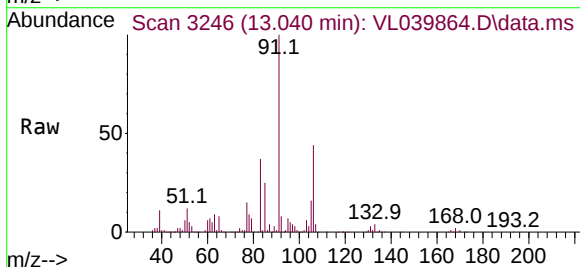
Acq: 10 Nov 2022 9:50

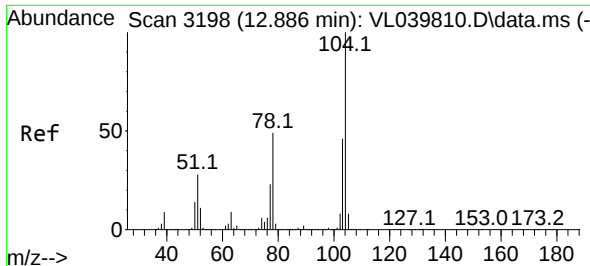
Tgt Ion: 91 Resp: 2406385

Ion Ratio Lower Upper

91 100

106 43.5 23.6 70.8

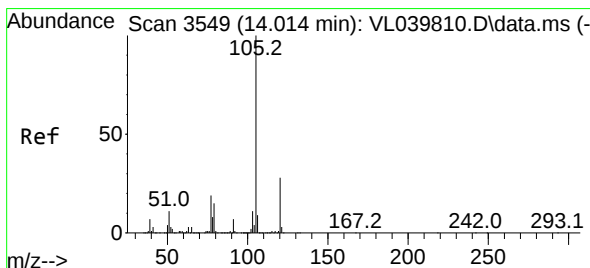
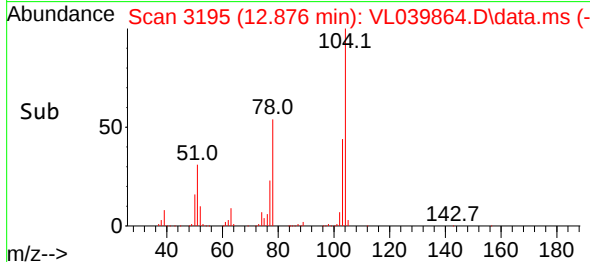
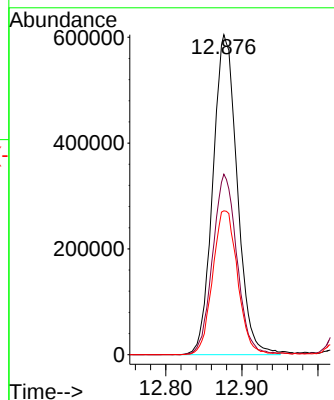
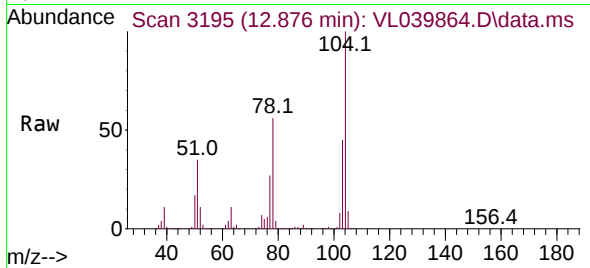




#61  
Styrene  
Concen: 7.535 ppbv  
RT: 12.876 min Scan# 3198  
Delta R.T. -0.009 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

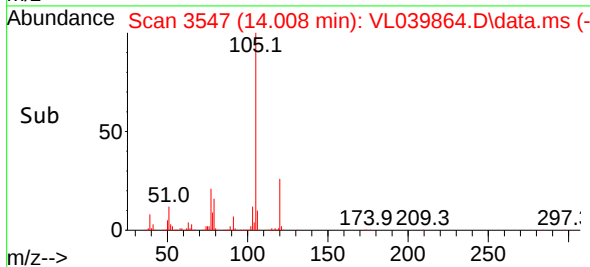
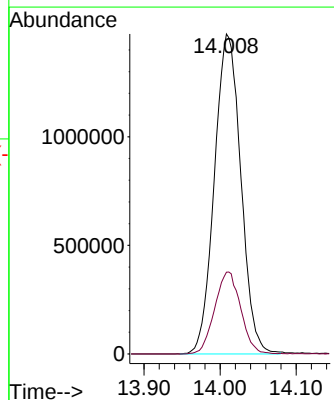
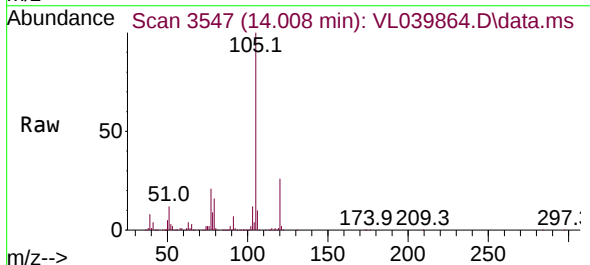
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

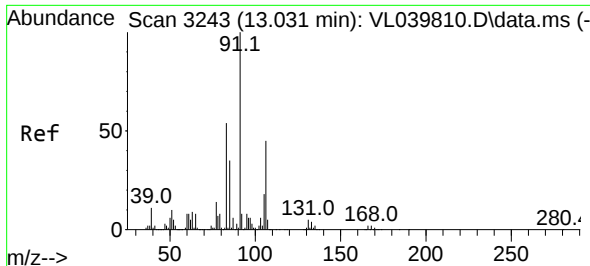
Tgt Ion:104 Resp: 1347430  
Ion Ratio Lower Upper  
104 100  
78 56.7 40.2 60.2  
103 46.4 37.5 56.3



#62  
Isopropylbenzene  
Concen: 8.384 ppbv  
RT: 14.008 min Scan# 3547  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:105 Resp: 3554376  
Ion Ratio Lower Upper  
105 100  
120 25.3 21.7 32.5

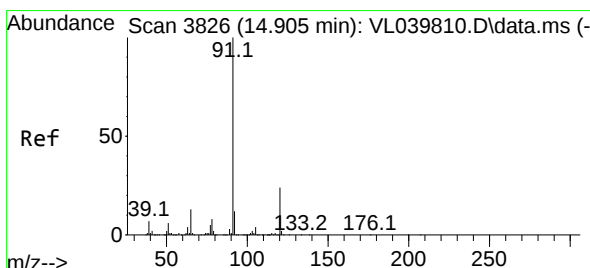
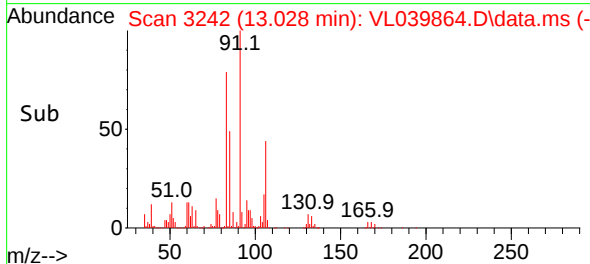
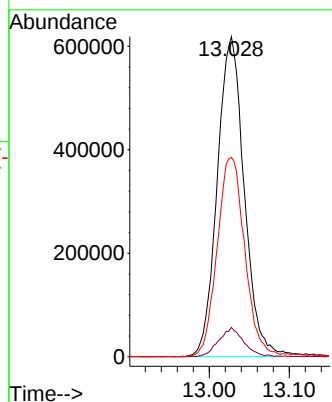
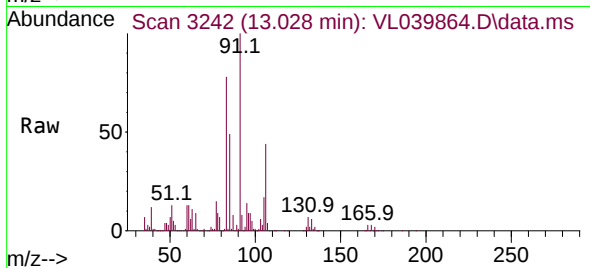




#63  
1,1,2,2-Tetrachloroethane  
Concen: 13.320 ppbv  
RT: 13.028 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

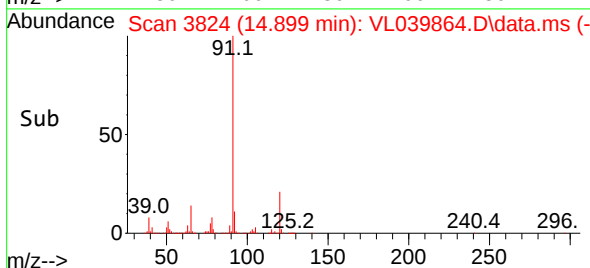
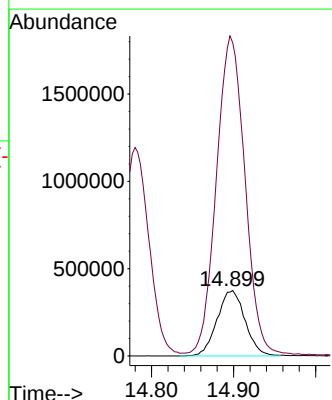
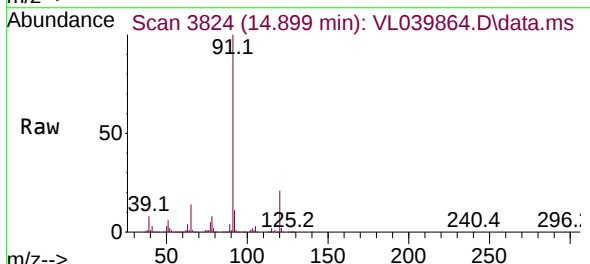
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

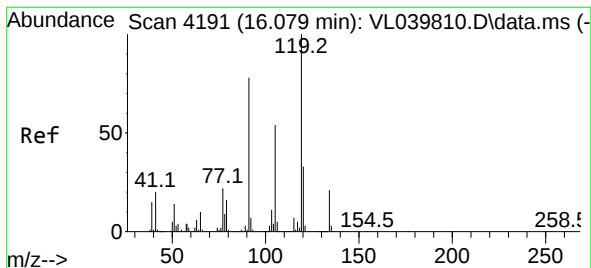
Tgt Ion: 83 Resp: 1441552  
Ion Ratio Lower Upper  
83 100  
131 8.6 4.6 13.8  
85 64.8 33.3 99.9



#64  
n-propylbenzene  
Concen: 7.841 ppbv  
RT: 14.899 min Scan# 3824  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 120 Resp: 889229  
Ion Ratio Lower Upper  
120 100  
91 504.4 354.9 532.3

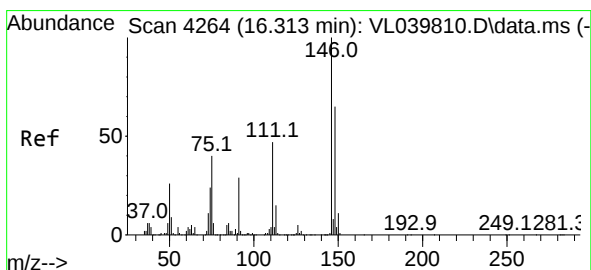
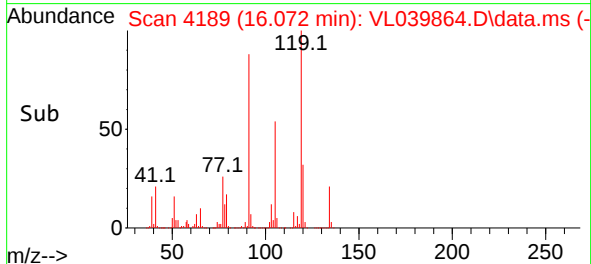
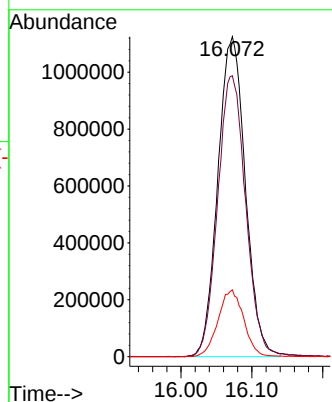
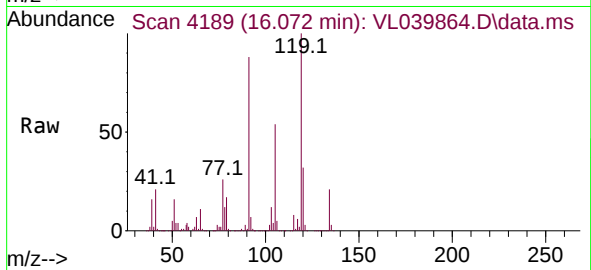




#65  
tert-Butylbenzene  
Concen: 8.139 ppbv  
RT: 16.072 min Scan# 4191  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

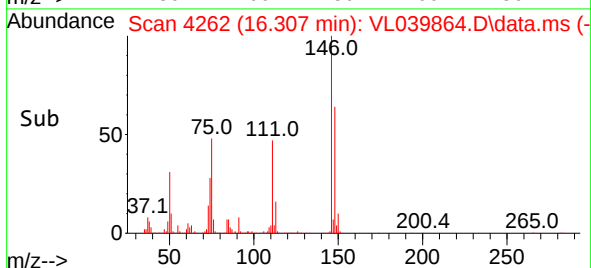
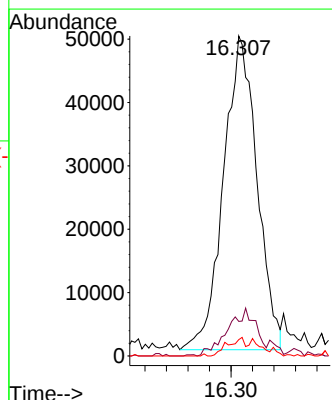
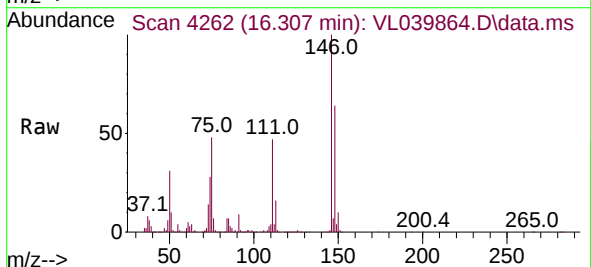
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

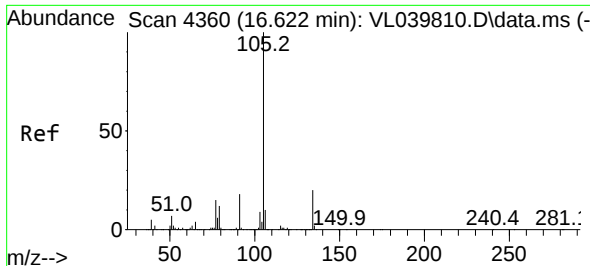
Tgt Ion:119 Resp: 3029640  
Ion Ratio Lower Upper  
119 100  
91 89.7 63.7 95.5  
134 19.6 16.2 24.4



#66  
Benzyl Chloride  
Concen: 2.478 ppbv  
RT: 16.307 min Scan# 4262  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 91 Resp: 107270  
Ion Ratio Lower Upper  
91 100  
126 15.4 15.6 23.4#  
128 5.5 4.9 7.3

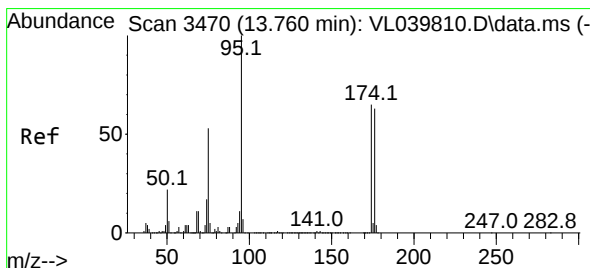
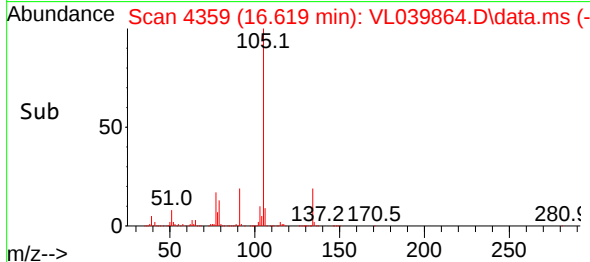
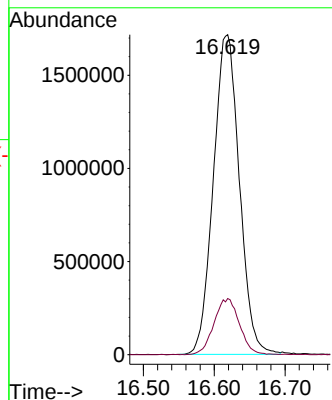
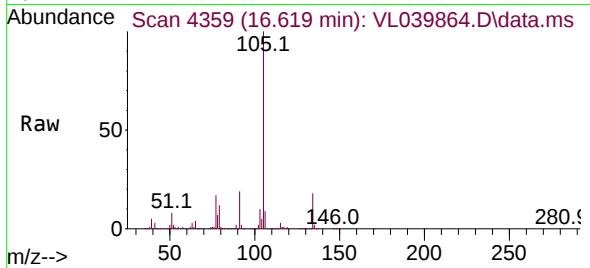




#67  
 sec-Butylbenzene  
 Concen: 8.648 ppbv  
 RT: 16.619 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

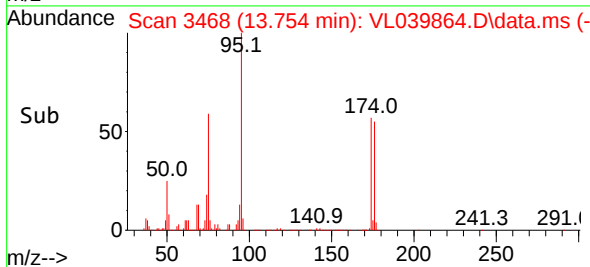
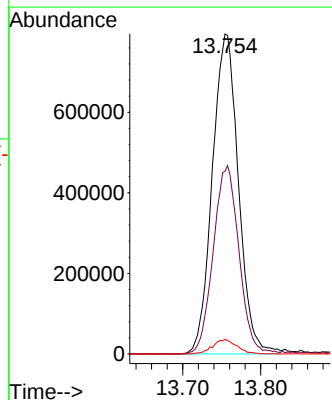
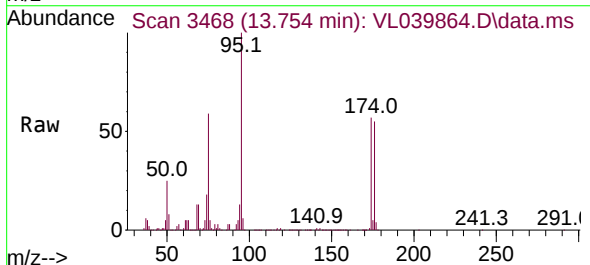
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010EC

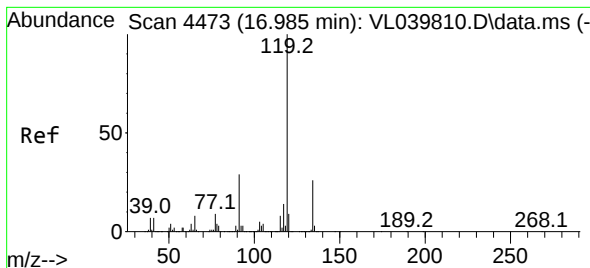
Tgt Ion:105 Resp: 4382087  
 Ion Ratio Lower Upper  
 105 100  
 134 17.3 15.1 22.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.101 ppbv  
 RT: 13.754 min Scan# 3468  
 Delta R.T. -0.006 min  
 Lab File: VL039864.D  
 Acq: 10 Nov 2022 9:50

Tgt Ion: 95 Resp: 1851411  
 Ion Ratio Lower Upper  
 95 100  
 174 58.5 53.4 80.0  
 175 4.3 4.1 6.1





#69

p-Isopropyltoluene

Concen: 8.232 ppbv

RT: 16.979 min Scan# 4473

Delta R.T. -0.006 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

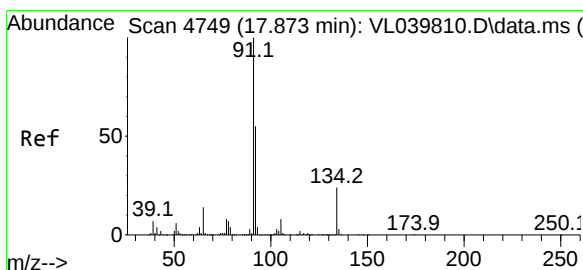
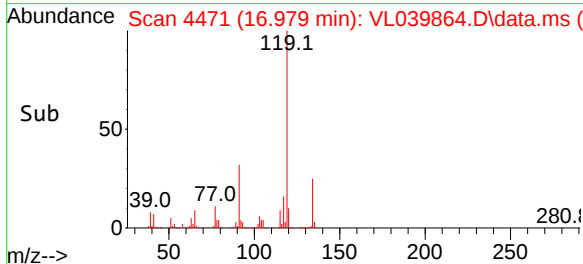
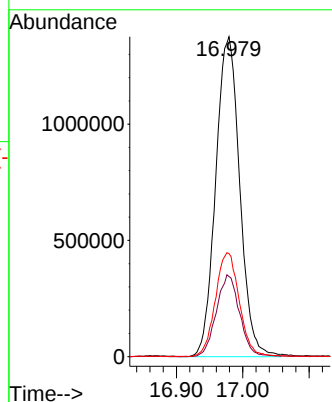
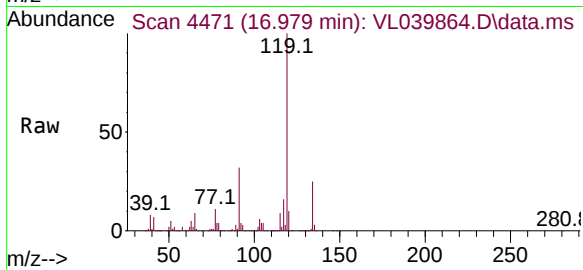
Tgt Ion:119 Resp: 3459895

Ion Ratio Lower Upper

119 100

134 24.9 21.0 31.6

91 32.5 22.8 34.2



#70

n-Butylbenzene

Concen: 9.362 ppbv

RT: 17.870 min Scan# 4748

Delta R.T. -0.003 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

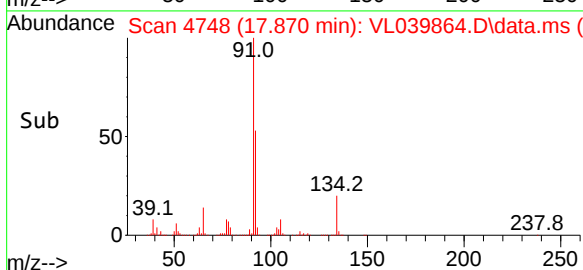
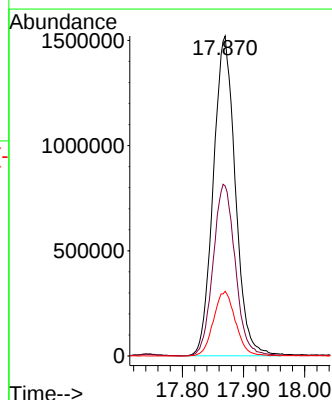
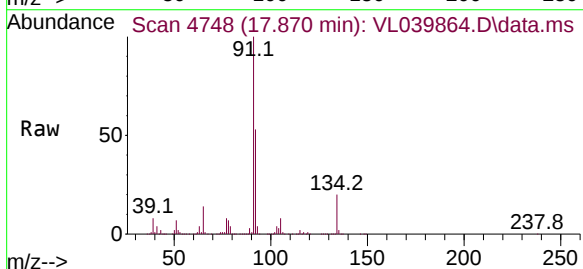
Tgt Ion: 91 Resp: 3803862

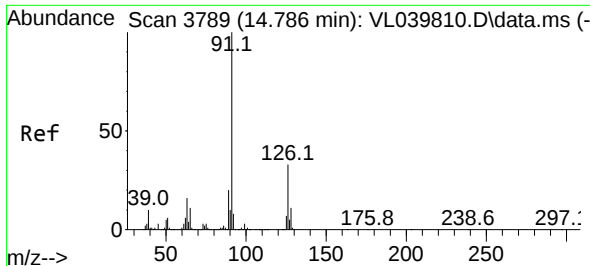
Ion Ratio Lower Upper

91 100

92 54.1 44.1 66.1

134 20.3 19.0 28.6

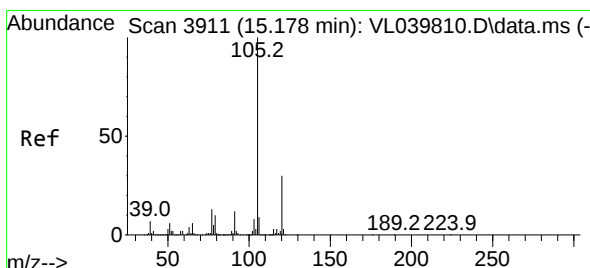
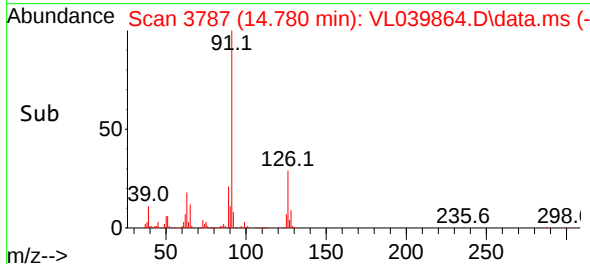
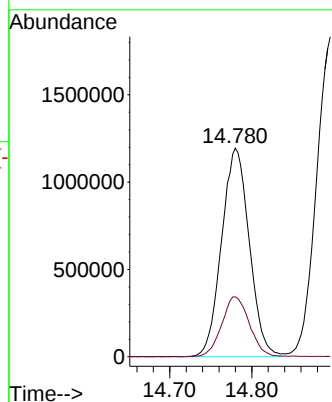
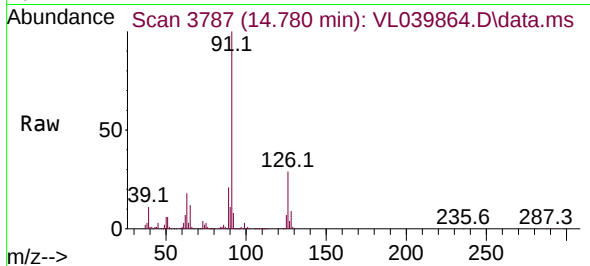




#71  
2-Chlorotoluene  
Concen: 8.797 ppbv  
RT: 14.780 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

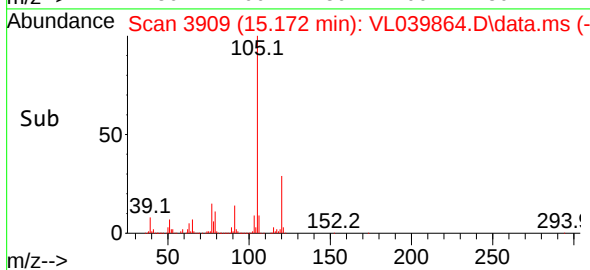
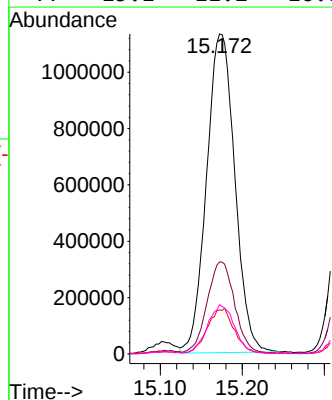
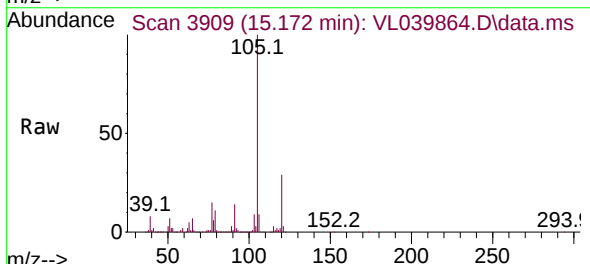
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

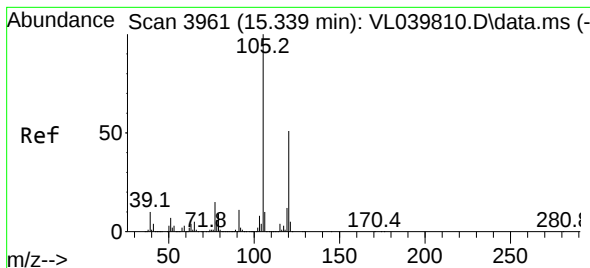
Tgt Ion: 91 Resp: 2802232  
Ion Ratio Lower Upper  
91 100  
126 29.1 12.9 51.5



#72  
4-Ethyltoluene  
Concen: 8.293 ppbv  
RT: 15.172 min Scan# 3909  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion: 105 Resp: 2713844  
Ion Ratio Lower Upper  
105 100  
120 28.6 26.0 39.0  
91 13.5 10.5 15.7  
77 15.1 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 8.451 ppbv

RT: 15.333 min Scan# 3961

Delta R.T. -0.006 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

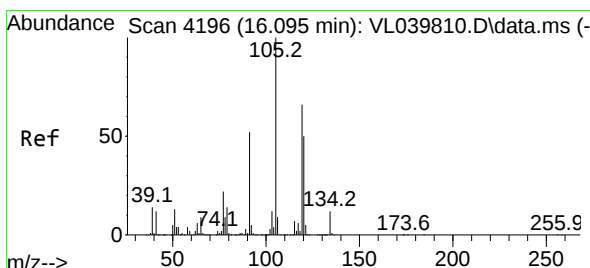
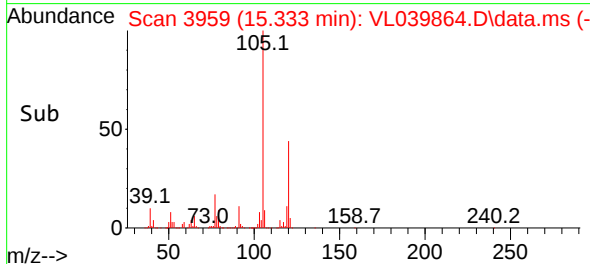
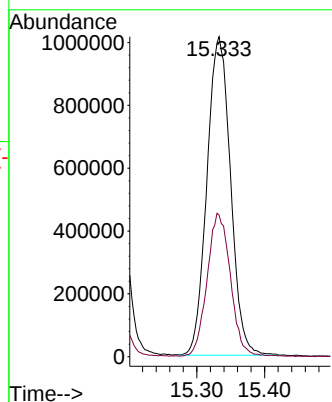
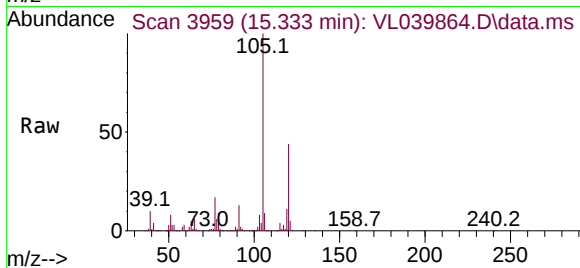
VSTDCCC010EC

Tgt Ion:105 Resp: 2451565

Ion Ratio Lower Upper

105 100

120 44.3 41.0 61.4



#74

1,2,4-Trimethylbenzene

Concen: 8.419 ppbv

RT: 16.088 min Scan# 4194

Delta R.T. -0.006 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Tgt Ion:105 Resp: 2594792

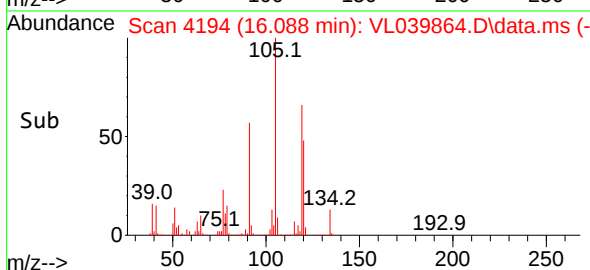
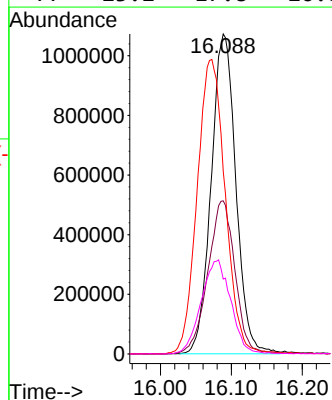
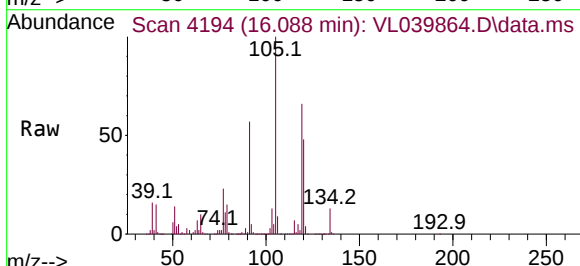
Ion Ratio Lower Upper

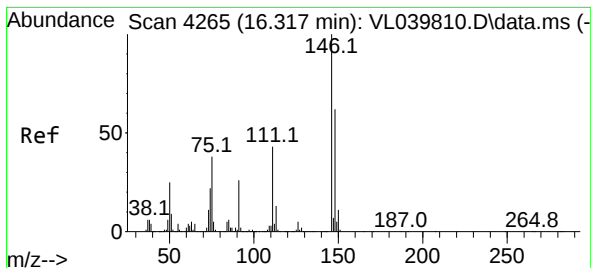
105 100

120 47.5 40.2 60.4

91 56.6 42.6 64.0

77 23.2 17.8 26.8





#75

1,3-Dichlorobenzene

Concen: 7.744 ppbv

RT: 16.307 min Scan# 41

Delta R.T. -0.009 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC

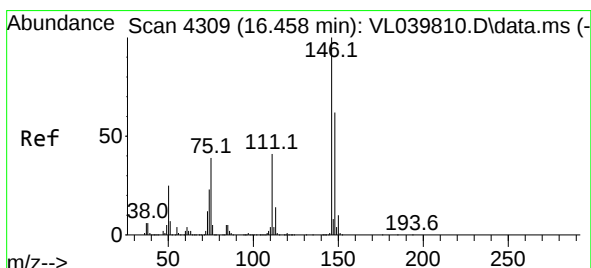
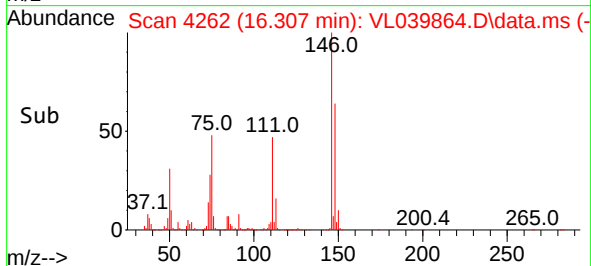
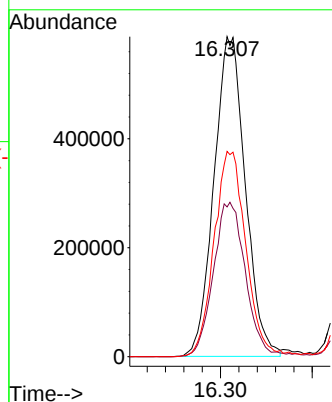
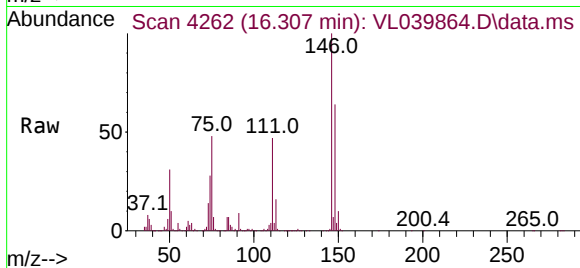
Tgt Ion:146 Resp: 1393639

Ion Ratio Lower Upper

146 100

111 49.7 22.9 68.8

148 65.7 32.3 96.9



#76

1,4-Dichlorobenzene

Concen: 7.525 ppbv

RT: 16.452 min Scan# 4307

Delta R.T. -0.006 min

Lab File: VL039864.D

Acq: 10 Nov 2022 9:50

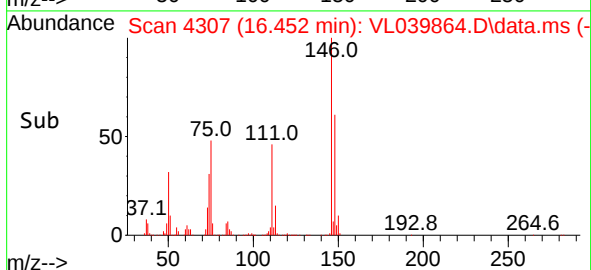
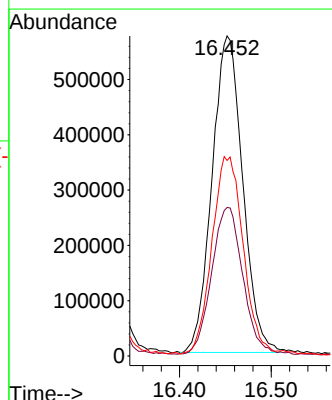
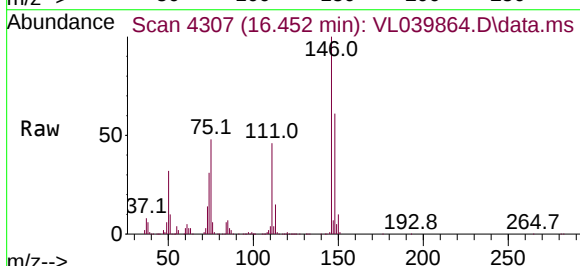
Tgt Ion:146 Resp: 1328901

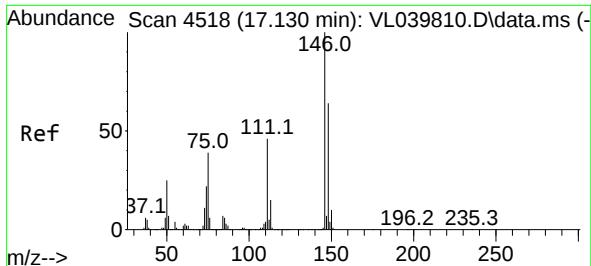
Ion Ratio Lower Upper

146 100

111 49.4 22.7 68.1

148 65.6 33.1 99.3

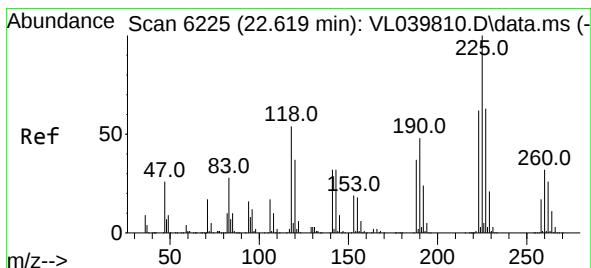
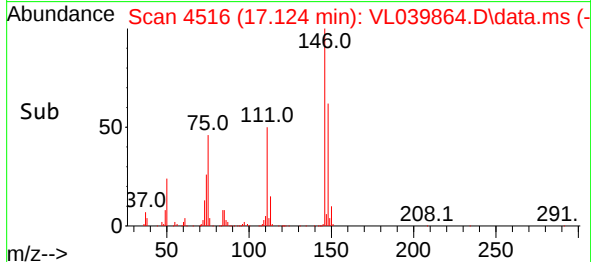
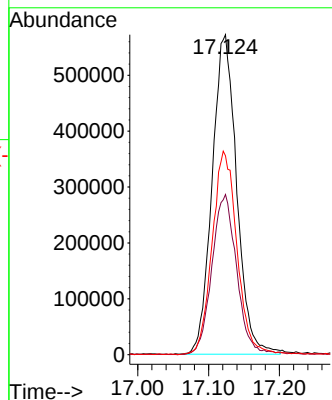
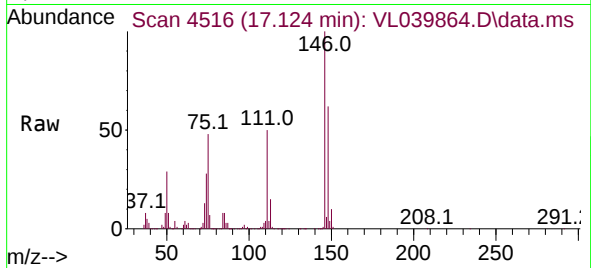




#77  
1,2-Dichlorobenzene  
Concen: 8.126 ppbv  
RT: 17.124 min Scan# 4518  
Delta R.T. -0.006 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

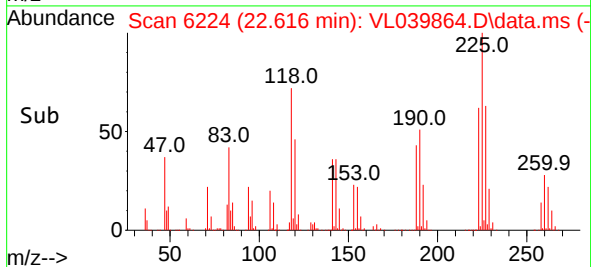
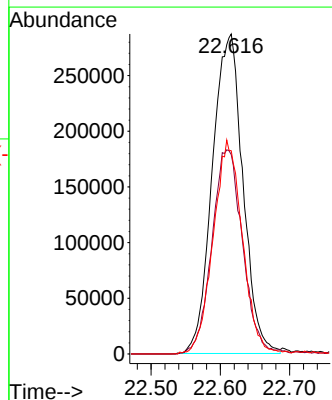
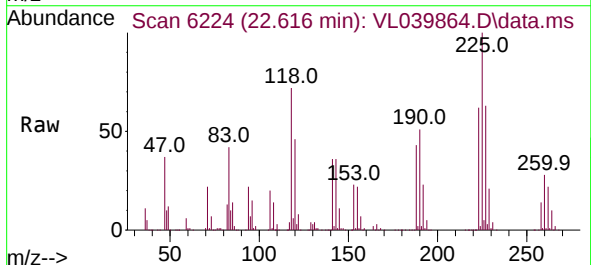
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

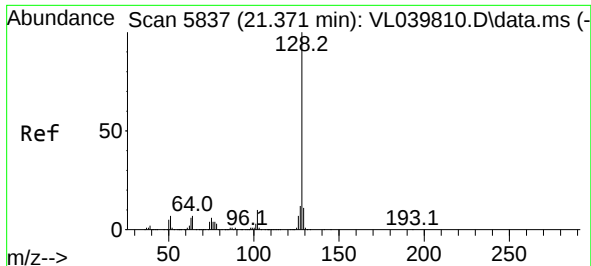
Tgt Ion:146 Resp: 1378604  
Ion Ratio Lower Upper  
146 100  
111 50.6 23.9 71.8  
148 64.3 32.4 97.2



#78  
Hexachloro-1,3-Butadiene  
Concen: 7.002 ppbv  
RT: 22.616 min Scan# 6224  
Delta R.T. -0.003 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:225 Resp: 880120  
Ion Ratio Lower Upper  
225 100  
223 64.7 50.6 75.8  
227 63.9 51.6 77.4

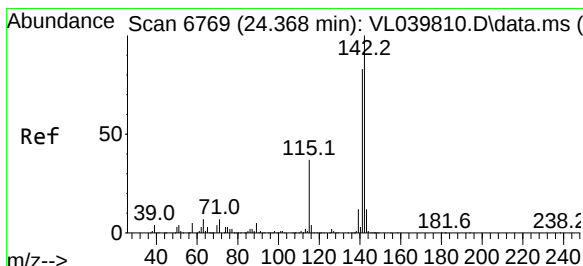
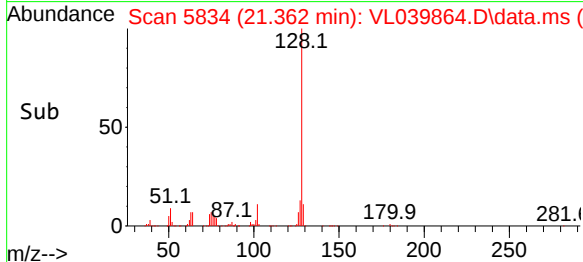
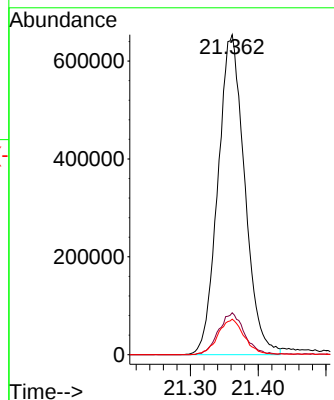
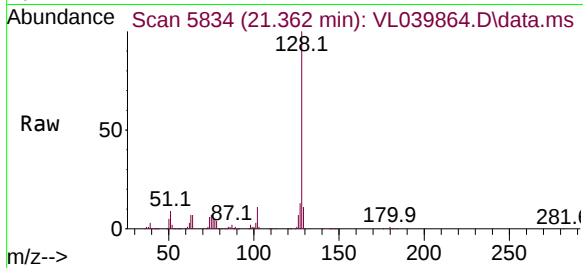




#79  
Naphthalene  
Concen: 7.992 ppbv  
RT: 21.362 min Scan# 5834  
Delta R.T. -0.009 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

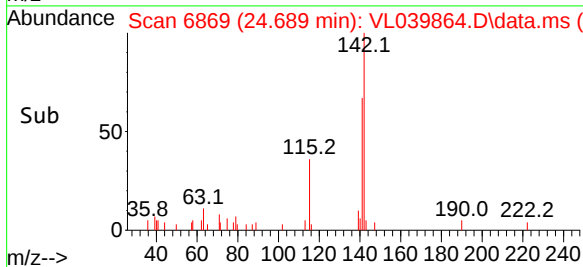
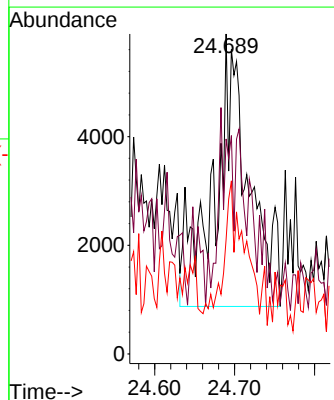
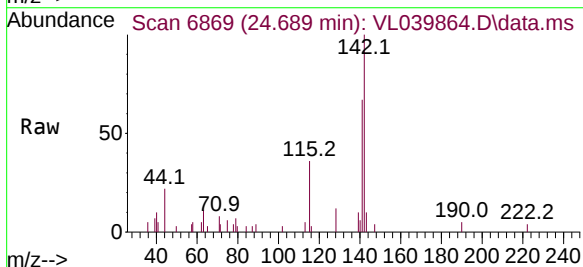
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010EC

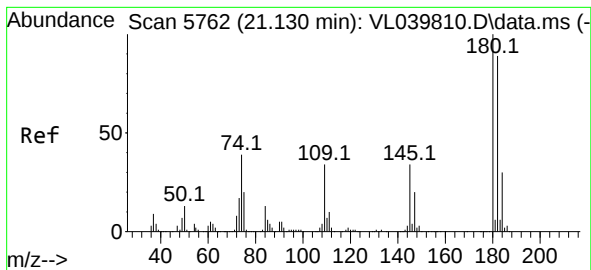
Tgt Ion:128 Resp: 1790971  
Ion Ratio Lower Upper  
128 100  
127 13.1 9.8 14.6  
129 11.1 8.6 13.0



#80  
Naphthalene,2-methyl-  
Concen: 0.159 ppbv  
RT: 24.689 min Scan# 6869  
Delta R.T. 0.322 min  
Lab File: VL039864.D  
Acq: 10 Nov 2022 9:50

Tgt Ion:142 Resp: 15135  
Ion Ratio Lower Upper  
142 100  
141 65.7 65.1 97.7  
115 38.9 29.1 43.7





#81

1,2,4-Trichlorobenzene

Concen: 7.647 ppbv

RT: 21.117 min Scan# 51

Delta R.T. -0.013 min

Lab File: VL039864.D

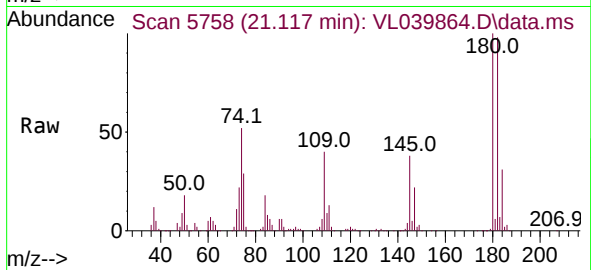
Acq: 10 Nov 2022 9:50

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010EC



Tgt Ion:180 Resp: 958571

Ion Ratio Lower Upper

180 100

182 97.1 78.1 117.1

184 31.3 24.5 36.7

