

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL091922\  
 Data File : VL039627.D  
 Acq On : 19 Sep 2022 9:04  
 Operator : SY/AP  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Quant Time: Sep 20 07:51:18 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   | 5.205  | 49   | 1184127  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.664  | 114  | 3115798  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.475 | 117  | 3626780  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 2291326  | 8.463    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 84.600% |

| Target Compounds              | R.T.  | QIon | Response | Conc   | Units  | Qvalue |
|-------------------------------|-------|------|----------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.751 | 85   | 1126044  | 8.203  | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 2.697 | 51   | 1234062  | 8.782  | ppbv   | 97     |
| 4) Chloromethane              | 2.832 | 50   | 755688   | 8.912  | ppbv   | 98     |
| 5) Vinyl Chloride             | 2.941 | 62   | 663959   | 9.394  | ppbv   | 97     |
| 6) Bromomethane               | 3.141 | 94   | 239545   | 9.190  | ppbv   | 95     |
| 7) Chloroethane               | 3.218 | 64   | 249011   | 9.633  | ppbv   | 96     |
| 8) Dichlorotetrafluoroethane  | 2.877 | 85   | 1502005  | 9.121  | ppbv   | 94     |
| 9) Propene                    | 2.716 | 41   | 584911   | 9.114  | ppbv   | 100    |
| 10) Heptane                   | 7.587 | 43   | 1447501  | 9.665  | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.584 | 101  | 1530902  | 9.005  | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 4.086 | 101  | 1125899  | 8.768  | ppbv   | 98     |
| 13) Ethanol                   | 3.263 | 45   | 40399    | 8.261  | ppbv   | 72     |
| 14) Bromoethene               | 3.388 | 108  | 483997   | 9.442  | ppbv   | 98     |
| 15) Acetone                   | 3.488 | 43   | 1146923  | 8.704  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.005 | 39   | 640722   | 9.586  | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.896 | 59   | 1199544  | 10.144 | ppbv   | 98     |
| 18) 1,1-Dichloroethene        | 3.896 | 96   | 522481   | 9.248  | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.591 | 45   | 646998   | 9.633  | ppbv # | 97     |
| 20) Methylene Chloride        | 3.951 | 84   | 439251   | 7.210  | ppbv   | 96     |
| 21) Allyl Chloride            | 4.015 | 41   | 822451   | 9.167  | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.462 | 96   | 534558   | 9.564  | ppbv   | 93     |
| 23) Vinyl Acetate             | 4.642 | 43   | 553090   | 9.286  | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 4.581 | 63   | 1095589  | 9.236  | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.221 | 43   | 2591791  | 9.021  | ppbv   | 99     |
| 26) Hexane                    | 5.227 | 57   | 1078491  | 8.845  | ppbv   | 97     |
| 27) Carbon Disulfide          | 4.140 | 76   | 1324019  | 10.333 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.603 | 73   | 958694   | 9.359  | ppbv   | 99     |
| 29) Chloroform                | 5.288 | 83   | 1592277  | 9.046  | ppbv   | 97     |
| 30) Cyclohexane               | 6.613 | 84   | 897087   | 9.501  | ppbv   | 93     |
| 31) cis-1,2-Dichloroethene    | 5.092 | 61   | 1061385  | 9.625  | ppbv   | 97     |
| 32) 1,1,1-Trichloroethane     | 6.018 | 97   | 1578536  | 9.906  | ppbv   | 99     |
| 34) 2-Butanone                | 4.803 | 43   | 1316659  | 8.603  | ppbv   | 97     |
| 35) Carbon Tetrachloride      | 6.504 | 117  | 1632559  | 9.870  | ppbv   | 100    |
| 36) Benzene                   | 6.382 | 78   | 2252442  | 9.456  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.819 | 62   | 1213931  | 9.363  | ppbv   | 100    |
| 38) Trichloroethene           | 7.301 | 130  | 1278573  | 9.931  | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.082 | 63   | 862523   | 9.377  | ppbv   | 95     |
| 40) 1,4-Dioxane               | 7.301 | 88   | 311078   | 8.282  | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.571 | 42   | 958817   | 10.212 | ppbv   | 95     |
| 42) Bromodichloromethane      | 7.256 | 83   | 1733917  | 9.615  | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.488 | 69   | 892618   | 10.279 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.336 | 57   | 3803681  | 9.264  | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 8.719 | 75   | 865012   | 11.788 | ppbv   | 100    |

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 Data File : VL039627.D  
 Acq On : 19 Sep 2022 9:04  
 Operator : SY/AP  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

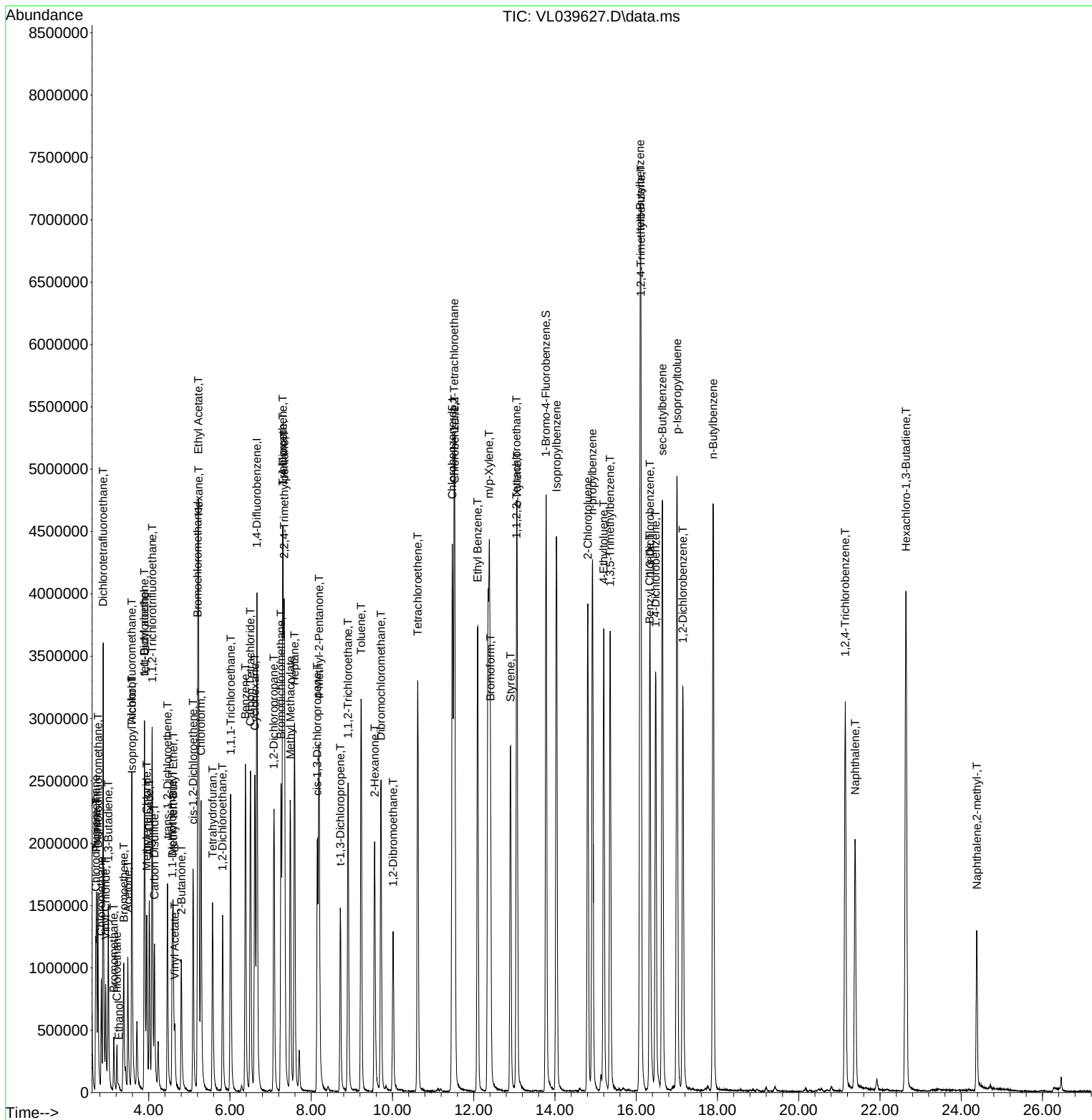
Instrument :  
 MSVOA\_L  
 ClientSampleId :

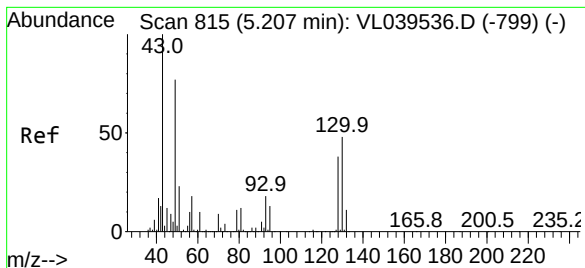
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.150  | 75   | 1170581  | 11.206 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.906  | 97   | 925690   | 9.207  | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.716  | 129  | 1564053  | 10.330 | ppbv   | 100      |
| 49) Bromoform                 | 12.413 | 173  | 1323671  | 10.570 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.192  | 43   | 2402713  | 9.991  | ppbv   | 99       |
| 51) 2-Hexanone                | 9.561  | 43   | 1882765  | 10.576 | ppbv   | 99       |
| 52) Tetrachloroethene         | 10.623 | 164  | 843377   | 9.280  | ppbv   | 98       |
| 53) Toluene                   | 9.227  | 91   | 2678403  | 10.109 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.015 | 107  | 1094906  | 10.179 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.516 | 131  | 1124407  | 7.672  | ppbv   | 97       |
| 57) Chlorobenzene             | 11.536 | 112  | 2012125  | 7.545  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.098 | 91   | 3492719  | 8.352  | ppbv   | 96       |
| 59) m/p-Xylene                | 12.381 | 91   | 2943326  | 7.909  | ppbv # | 29       |
| 60) o-Xylene                  | 13.069 | 91   | 2833970  | 7.975  | ppbv   | 100      |
| 61) Styrene                   | 12.905 | 104  | 1718664  | 8.980  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.037 | 105  | 4120955  | 7.706  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.053 | 83   | 1076744  | 7.596  | ppbv   | 100      |
| 64) n-propylbenzene           | 14.925 | 120  | 1066606  | 7.789  | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.098 | 119  | 3619797  | 7.662  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.330 | 91   | 171226   | 4.552  | ppbv # | 71       |
| 67) sec-Butylbenzene          | 16.645 | 105  | 5047274  | 7.617  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.005 | 119  | 4230781  | 7.770  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.892 | 91   | 4152396  | 7.779  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.809 | 91   | 3036997  | 7.866  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.201 | 105  | 3330688  | 8.210  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.359 | 105  | 2941128  | 7.922  | ppbv   | 96       |
| 74) 1,2,4-Trimethylbenzene    | 16.117 | 105  | 3179826  | 7.641  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.339 | 146  | 1894684  | 7.631  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.481 | 146  | 1807073  | 7.275  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.150 | 146  | 1825921  | 7.541  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.641 | 225  | 1245122  | 6.730  | ppbv   | 99       |
| 79) Naphthalene               | 21.387 | 128  | 2502981  | 9.114  | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.384 | 142  | 862758   | 8.355  | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.146 | 180  | 1414178  | 7.840  | ppbv   | 98       |

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

Quant Time: Sep 20 07:51:18 2022  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_L\METHODS\VL091922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Mon Sep 19 14:26:28 2022  
Response via : Initial Calibration

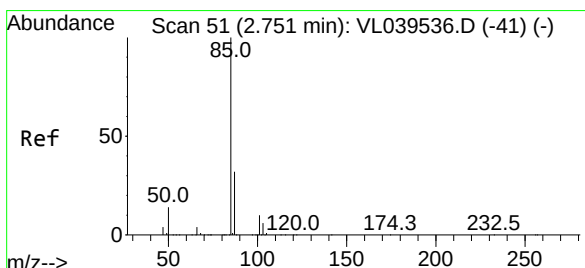
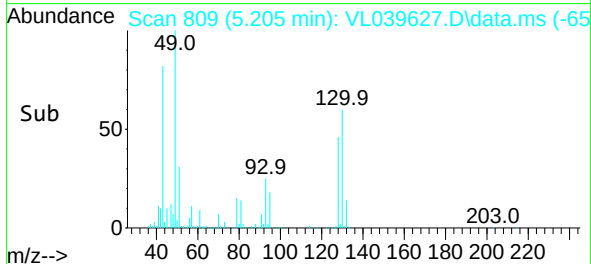
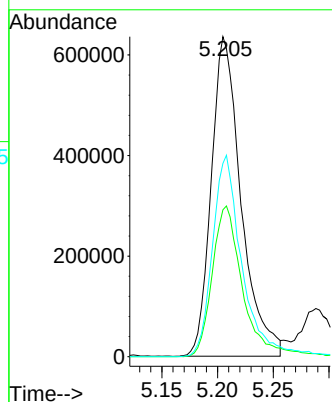
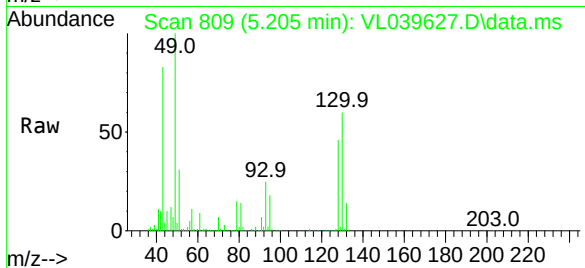




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.205 min Scan# 80  
 Delta R.T. -0.002 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

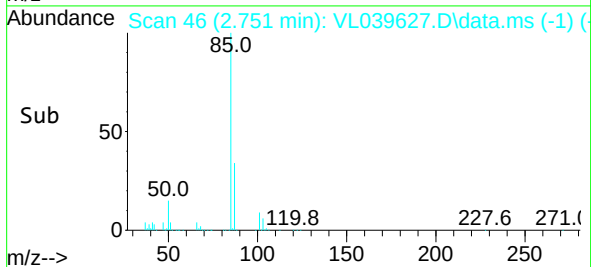
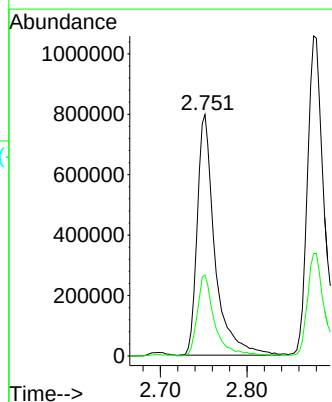
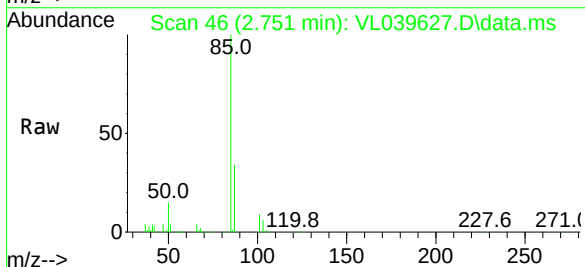
Instrument :  
 MSVOA\_L  
 ClientSampleId :

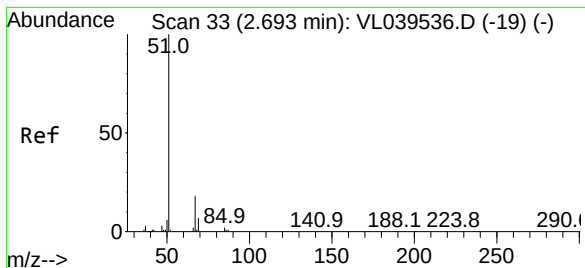
Tgt Ion: 49 Resp: 1184127  
 Ion Ratio Lower Upper  
 49 100  
 128 49.4 26.7 80.0  
 130 63.9 34.3 102.8



#2  
 Dichlorodifluoromethane  
 Concen: 8.203 ppbv  
 RT: 2.751 min Scan# 46  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 85 Resp: 1126044  
 Ion Ratio Lower Upper  
 85 100  
 87 33.6 26.7 40.1





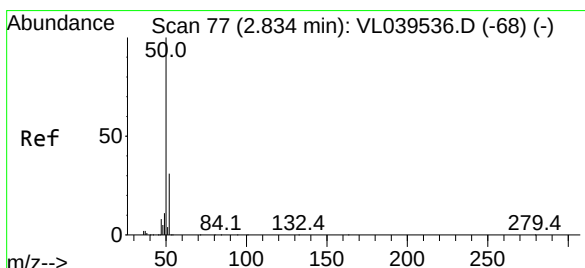
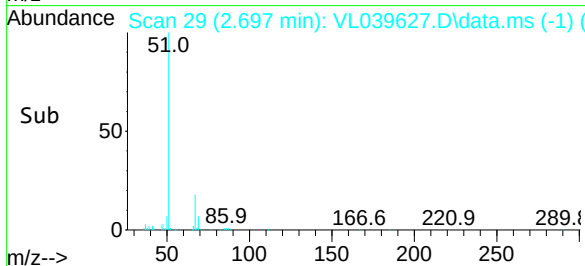
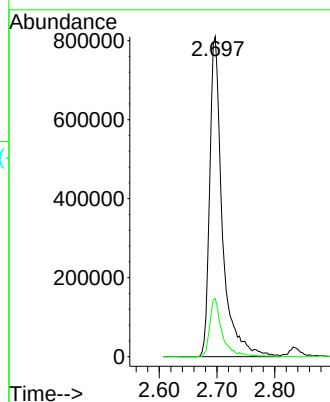
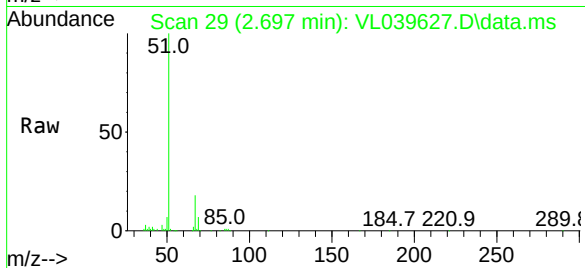
#3  
 Chlorodifluoromethane  
 Concen: 8.782 ppbv  
 RT: 2.697 min Scan# 29  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

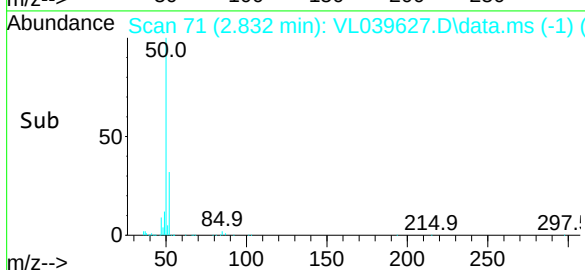
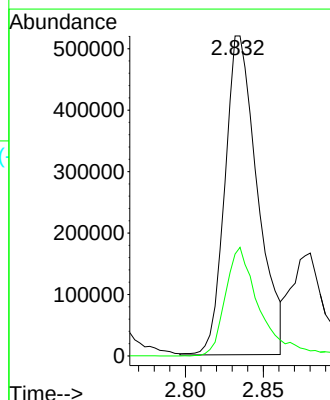
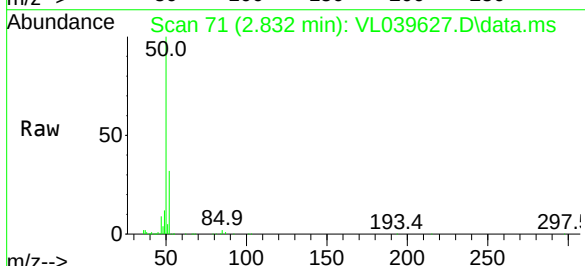
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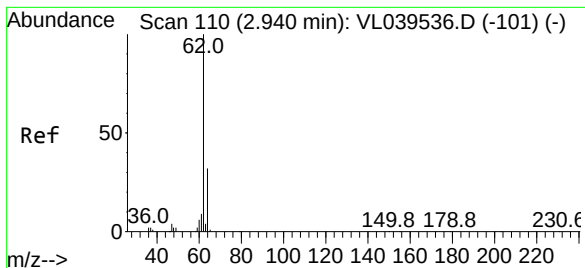
Tgt Ion: 51 Resp: 1234062  
 Ion Ratio Lower Upper  
 51 100  
 67 18.1 15.7 23.5



#4  
 Chloromethane  
 Concen: 8.912 ppbv  
 RT: 2.832 min Scan# 71  
 Delta R.T. -0.002 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 50 Resp: 755688  
 Ion Ratio Lower Upper  
 50 100  
 52 32.1 26.5 39.7

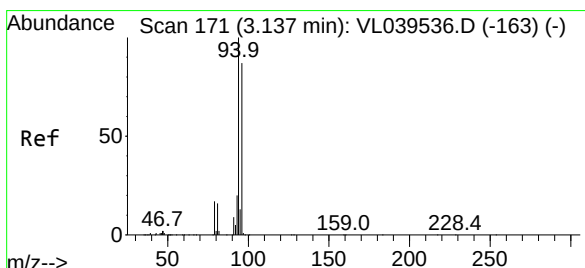
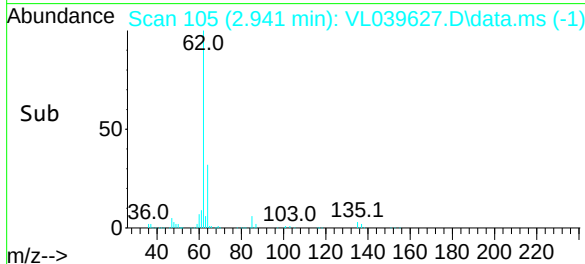
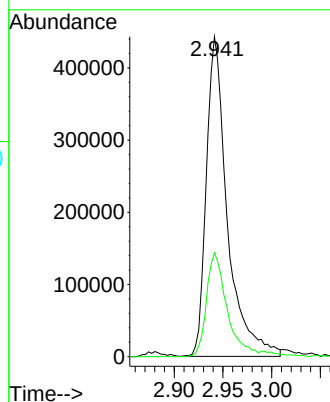
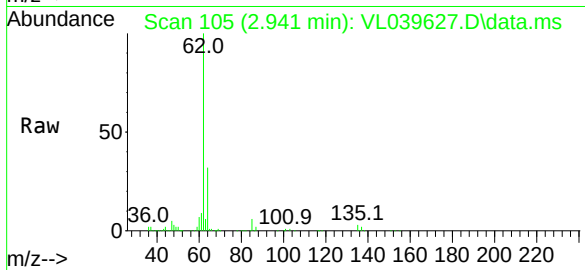




#5  
 Vinyl Chloride  
 Concen: 9.394 ppbv  
 RT: 2.941 min Scan# 105  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

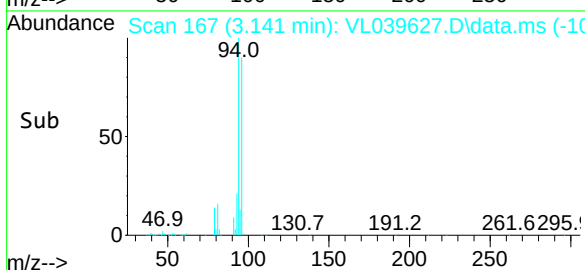
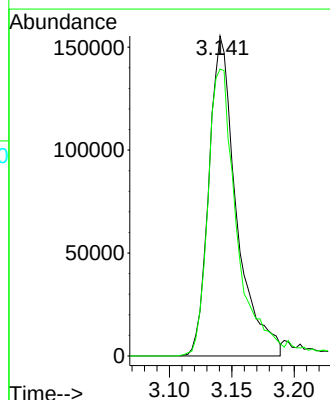
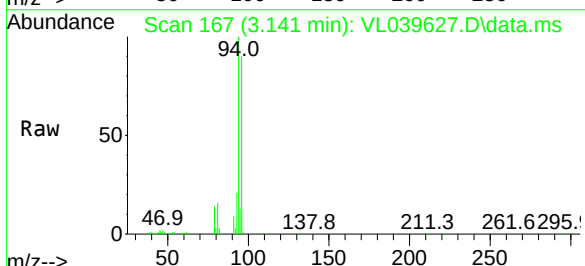
Instrument :  
 MSVOA\_L  
 ClientSampleId :

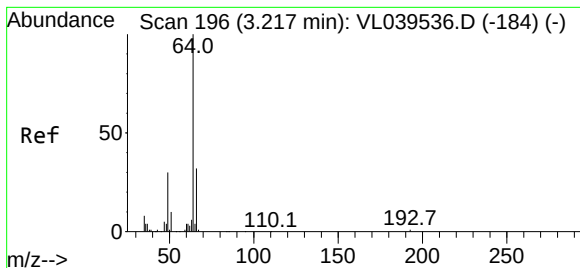
Tgt Ion: 62 Resp: 663959  
 Ion Ratio Lower Upper  
 62 100  
 64 32.5 24.6 36.8



#6  
 Bromomethane  
 Concen: 9.190 ppbv  
 RT: 3.141 min Scan# 167  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 94 Resp: 239545  
 Ion Ratio Lower Upper  
 94 100  
 96 89.5 75.6 113.4

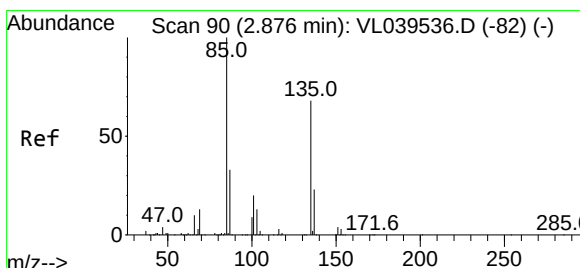
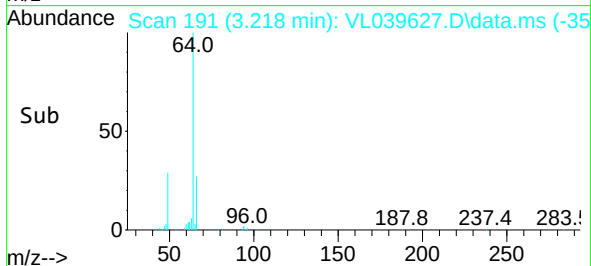
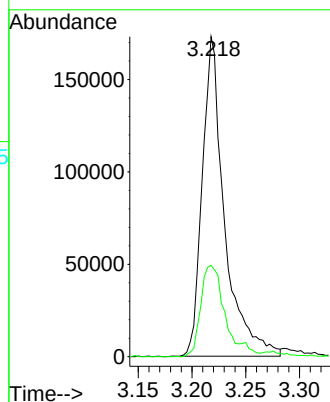
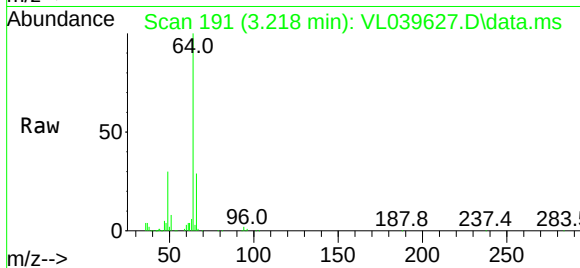




#7  
Chloroethane  
Concen: 9.633 ppbv  
RT: 3.218 min Scan# 196  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

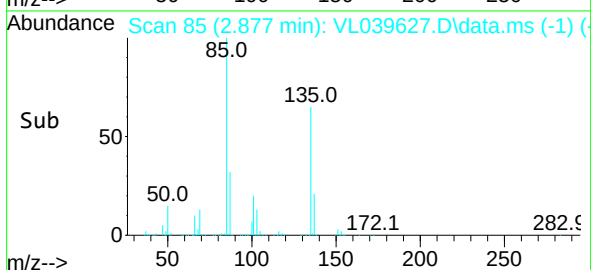
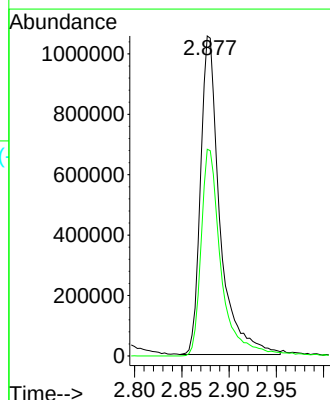
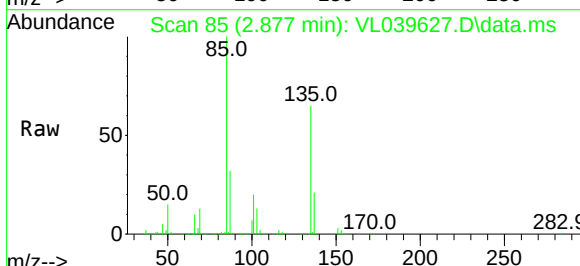
Instrument :  
MSVOA\_L  
ClientSampleId :

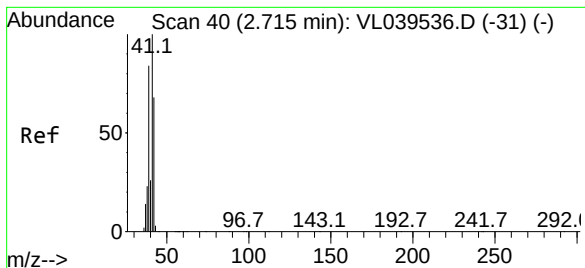
Tgt Ion: 64 Resp: 249011  
Ion Ratio Lower Upper  
64 100  
66 28.6 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 9.121 ppbv  
RT: 2.877 min Scan# 85  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 85 Resp: 1502005  
Ion Ratio Lower Upper  
85 100  
135 68.6 59.0 88.4





#9

Propene

Concen: 9.114 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.001 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

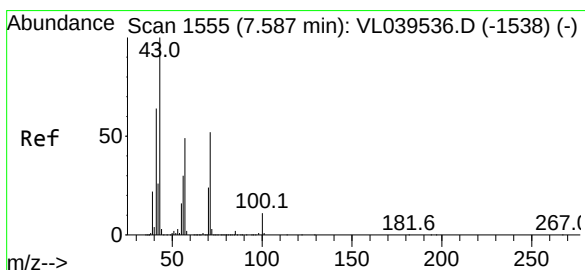
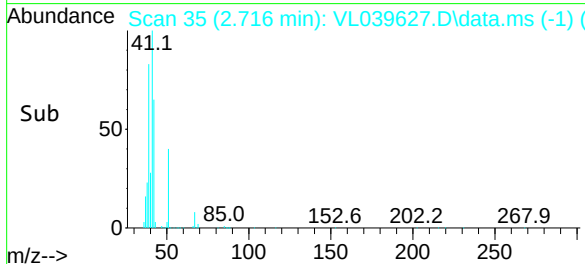
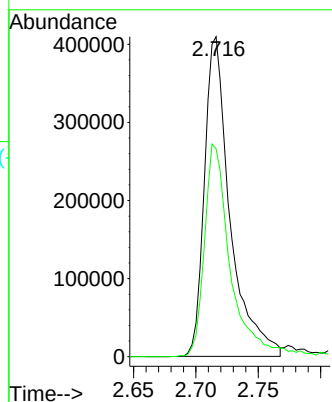
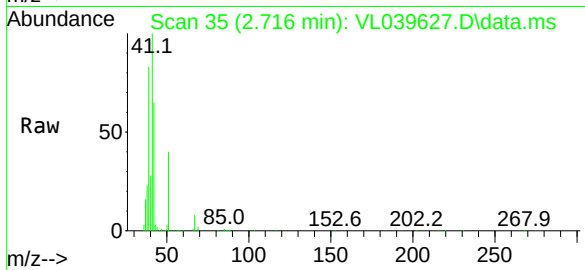
ClientSampleId :

Tgt Ion: 41 Resp: 584911

Ion Ratio Lower Upper

41 100

42 68.9 55.2 82.8



#10

Heptane

Concen: 9.665 ppbv

RT: 7.587 min Scan# 1550

Delta R.T. 0.001 min

Lab File: VL039627.D

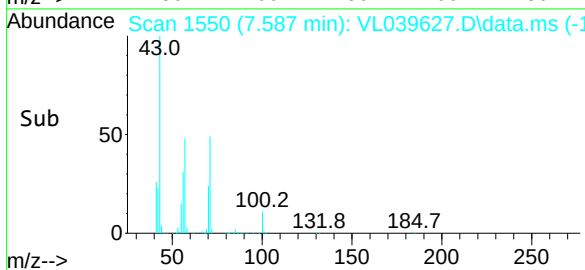
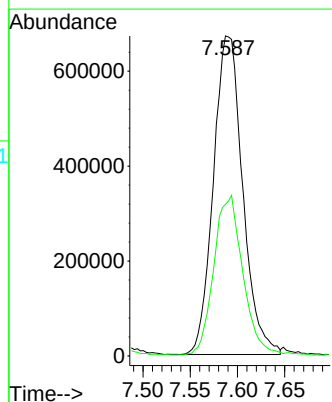
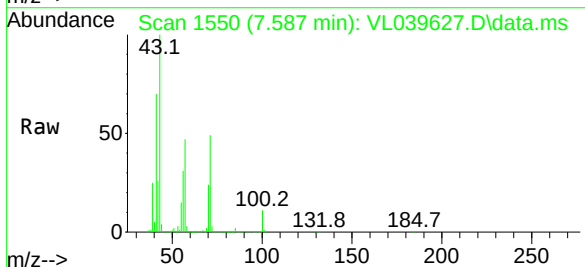
Acq: 19 Sep 2022 9:04

Tgt Ion: 43 Resp: 1447501

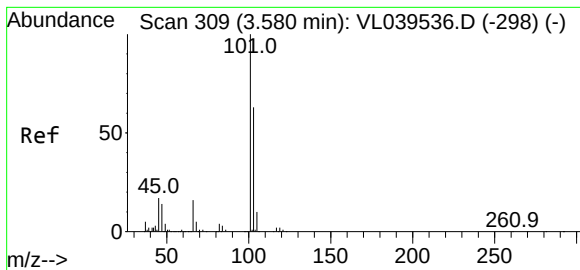
Ion Ratio Lower Upper

43 100

57 50.2 40.5 60.7



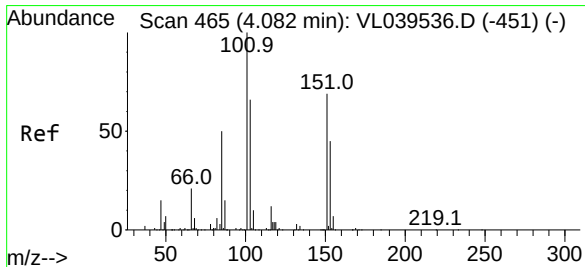
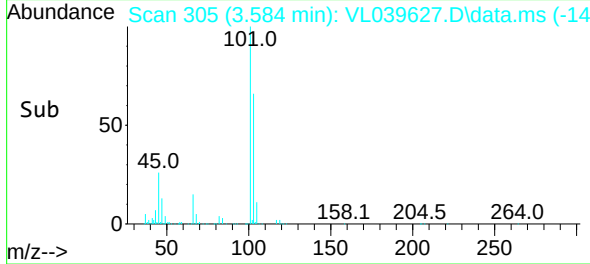
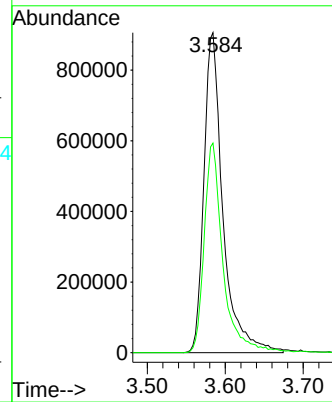
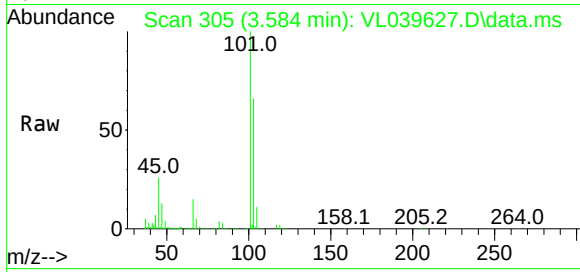




#11  
 Trichlorofluoromethane  
 Concen: 9.005 ppbv  
 RT: 3.584 min Scan# 309  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

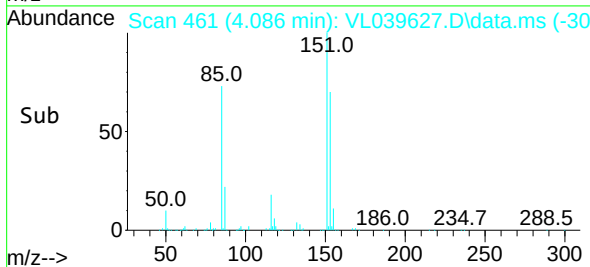
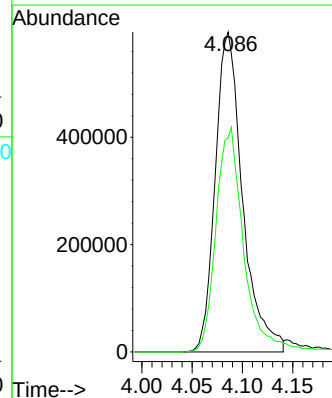
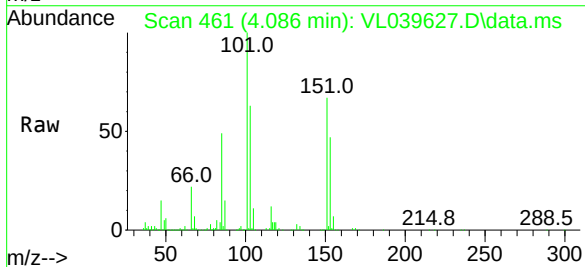
Instrument :  
 MSVOA\_L  
 ClientSampleId :

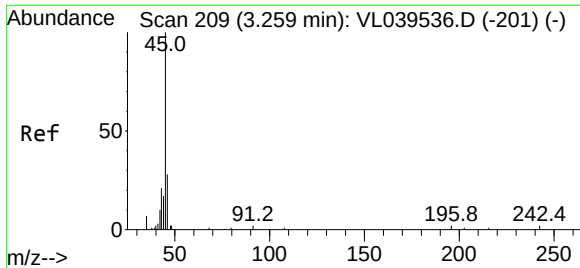
Tgt Ion:101 Resp: 1530902  
 Ion Ratio Lower Upper  
 101 100  
 103 65.5 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 8.768 ppbv  
 RT: 4.086 min Scan# 461  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion:101 Resp: 1125899  
 Ion Ratio Lower Upper  
 101 100  
 151 72.0 58.9 88.3

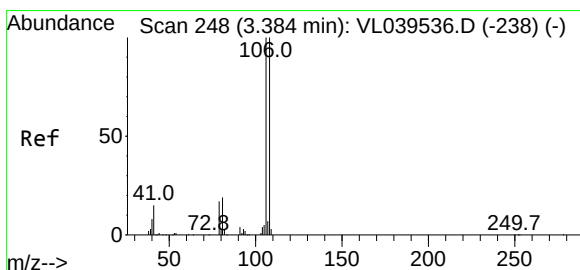
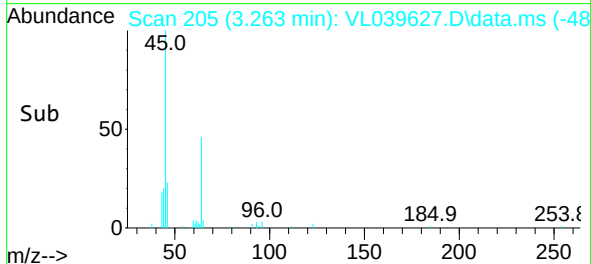
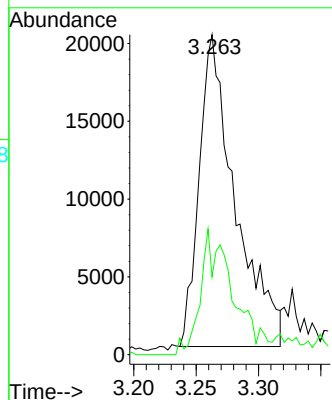
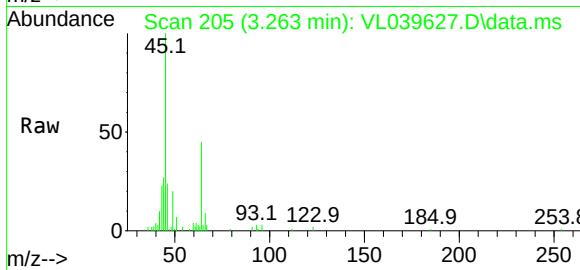




#13  
 Ethanol  
 Concen: 8.261 ppbv  
 RT: 3.263 min Scan# 209  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

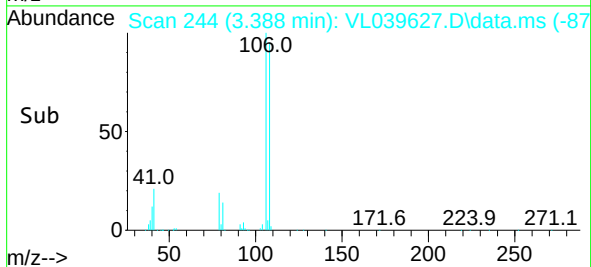
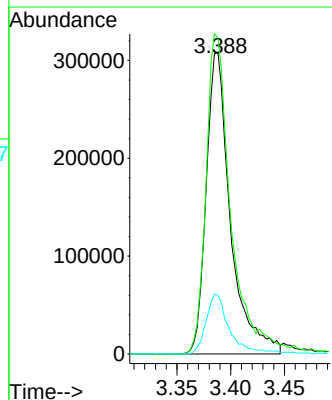
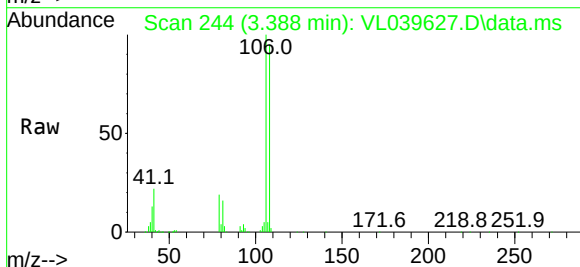
Instrument :  
 MSVOA\_L  
 ClientSampleId :

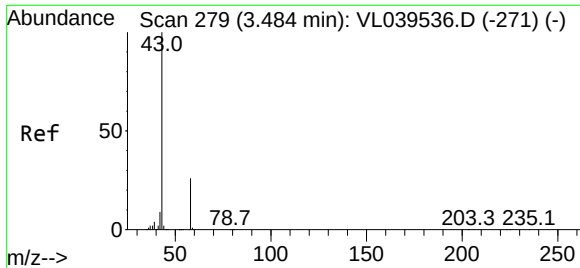
Tgt Ion: 45 Resp: 40399  
 Ion Ratio Lower Upper  
 45 100  
 46 36.1 22.8 91.2



#14  
 Bromoethene  
 Concen: 9.442 ppbv  
 RT: 3.388 min Scan# 244  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 108 Resp: 483997  
 Ion Ratio Lower Upper  
 108 100  
 106 111.4 87.1 130.7  
 79 19.8 14.6 22.0





#15

Acetone

Concen: 8.704 ppbv

RT: 3.488 min Scan# 21

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

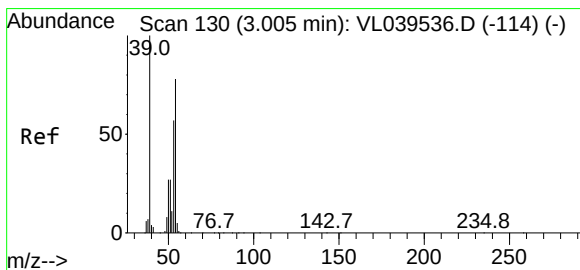
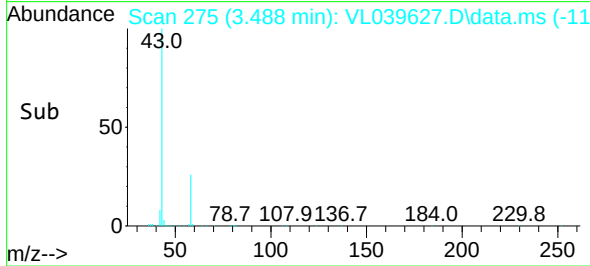
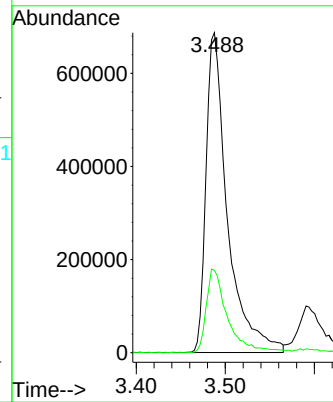
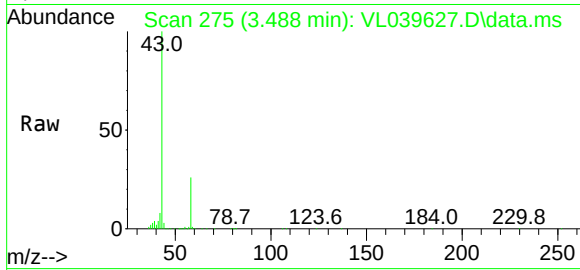
ClientSampleId :

Tgt Ion: 43 Resp: 1146923

Ion Ratio Lower Upper

43 100

58 26.0 21.0 31.6



#16

1,3-Butadiene

Concen: 9.586 ppbv

RT: 3.005 min Scan# 125

Delta R.T. 0.001 min

Lab File: VL039627.D

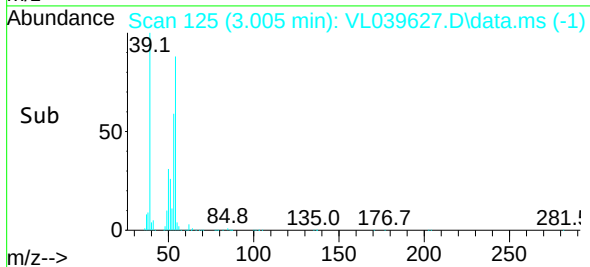
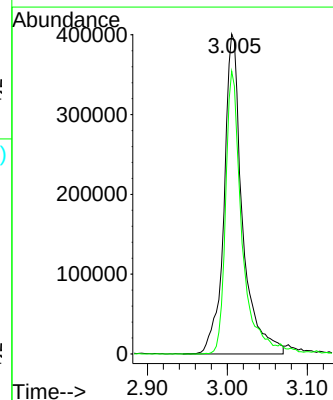
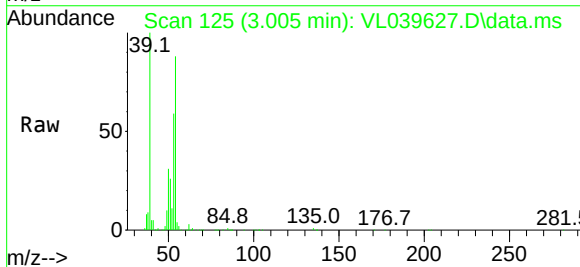
Acq: 19 Sep 2022 9:04

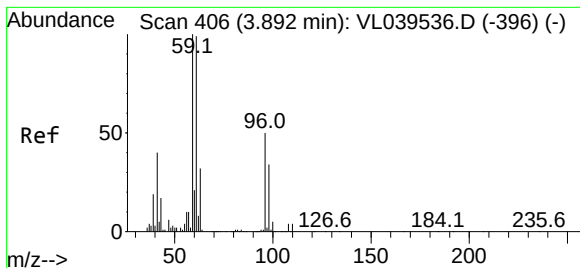
Tgt Ion: 39 Resp: 640722

Ion Ratio Lower Upper

39 100

54 80.1 63.7 95.5





#17

tert-Butyl alcohol

Concen: 10.144 ppbv

RT: 3.896 min Scan# 402

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

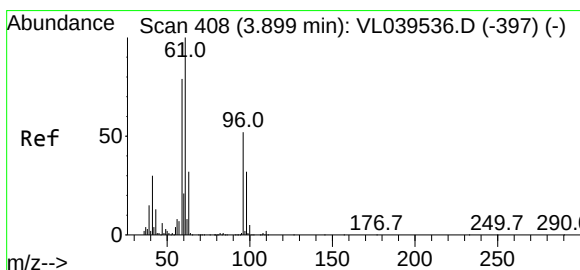
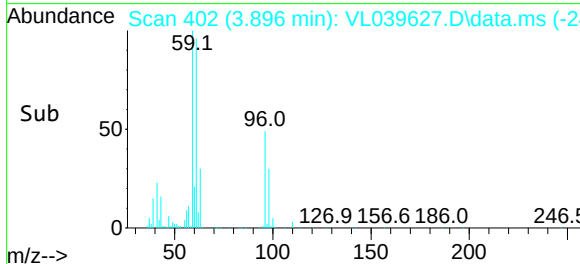
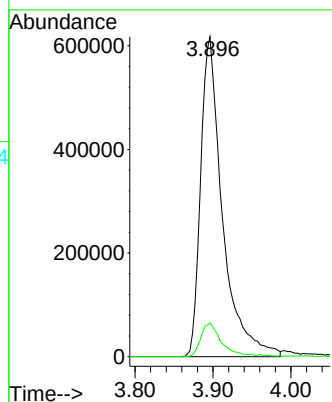
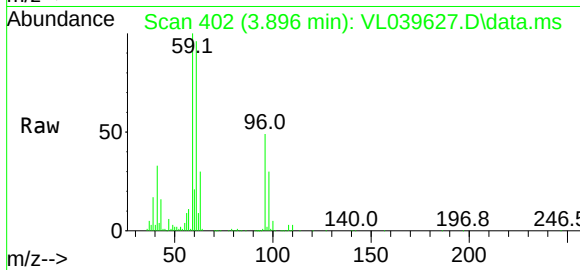
ClientSampleId :

Tgt Ion: 59 Resp: 1199544

Ion Ratio Lower Upper

59 100

57 10.3 8.7 13.1



#18

1,1-Dichloroethene

Concen: 9.248 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.002 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

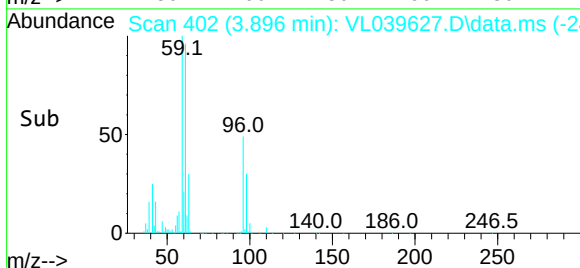
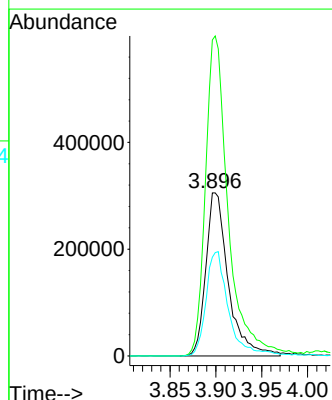
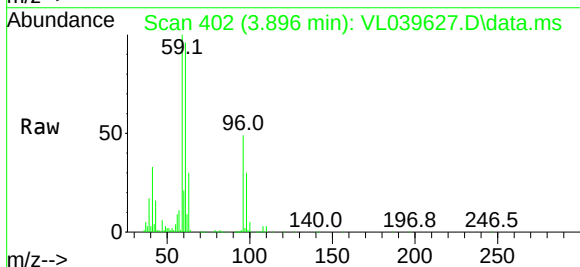
Tgt Ion: 96 Resp: 522481

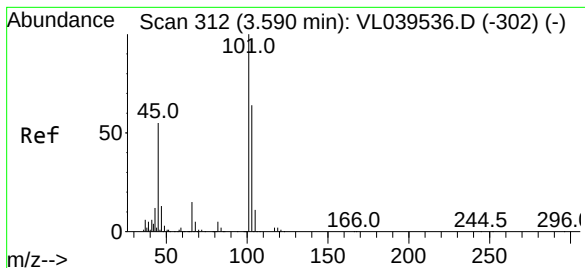
Ion Ratio Lower Upper

96 100

61 193.8 152.2 228.4

98 60.6 51.8 77.6

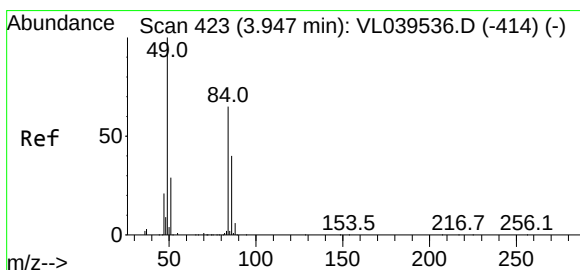
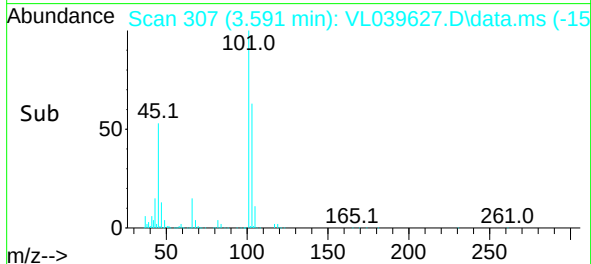
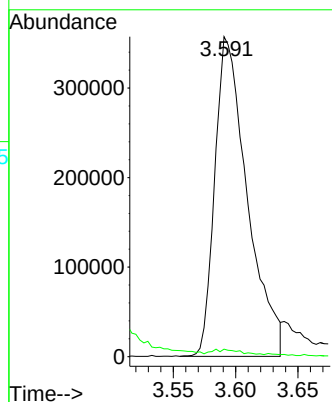
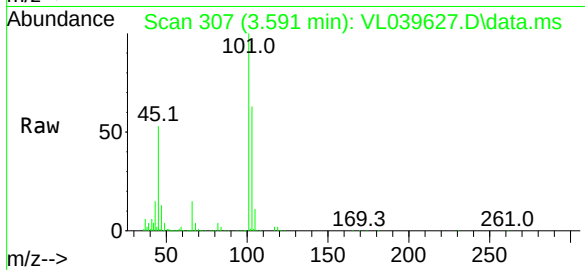




#19  
Isopropyl Alcohol  
Concen: 9.633 ppbv  
RT: 3.591 min Scan# 307  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

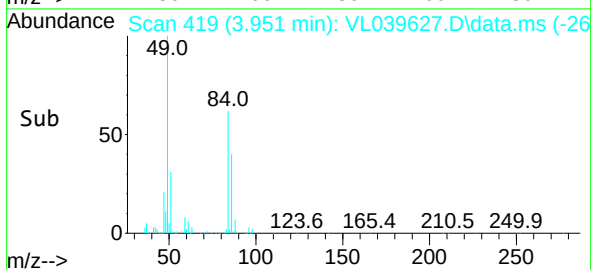
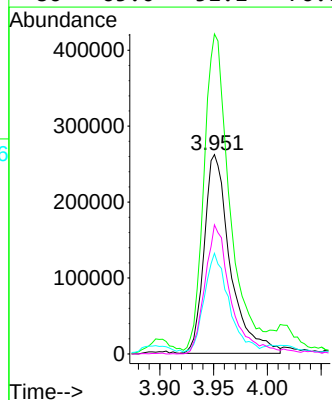
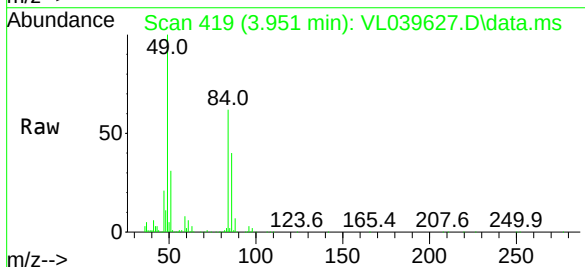
Instrument :  
MSVOA\_L  
ClientSampleId :

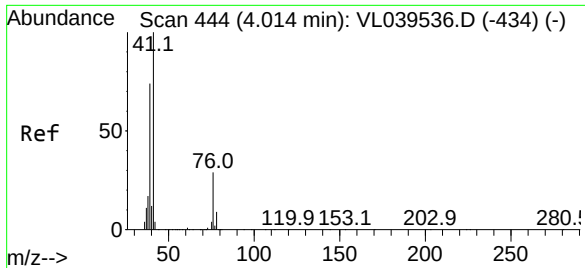
Tgt Ion: 45 Resp: 646998  
Ion Ratio Lower Upper  
45 100  
58 3.0 3.2 4.8#



#20  
Methylene Chloride  
Concen: 7.210 ppbv  
RT: 3.951 min Scan# 419  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 84 Resp: 439251  
Ion Ratio Lower Upper  
84 100  
49 158.4 123.1 184.7  
51 48.7 34.4 51.6  
86 65.0 51.1 76.7

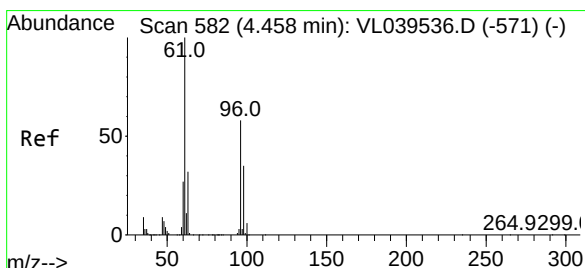
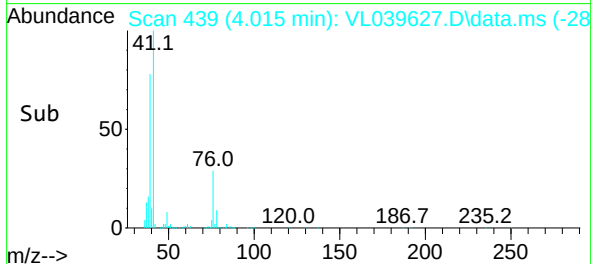
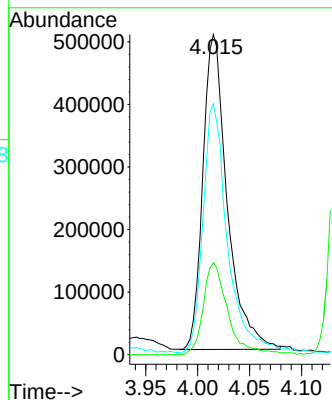
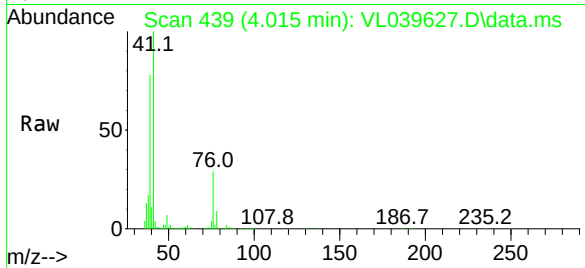




#21  
 Allyl Chloride  
 Concen: 9.167 ppbv  
 RT: 4.015 min Scan# 41  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

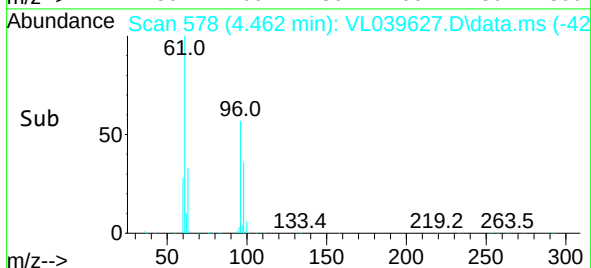
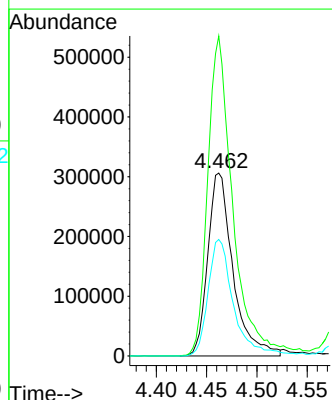
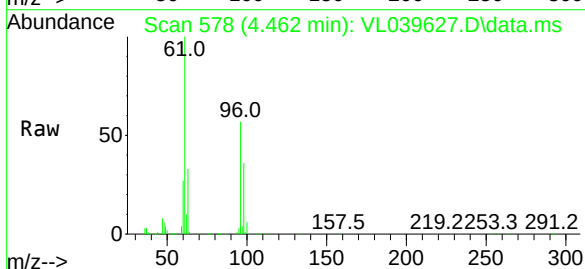
Instrument :  
 MSVOA\_L  
 ClientSampleId :

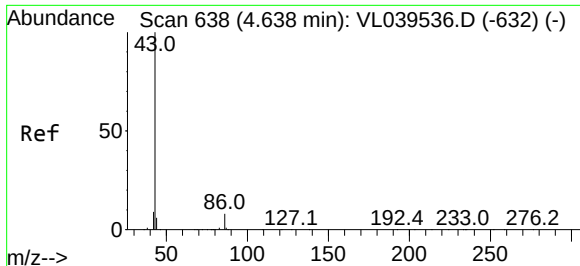
Tgt Ion: 41 Resp: 822451  
 Ion Ratio Lower Upper  
 41 100  
 76 29.5 24.4 36.6  
 39 80.4 63.5 95.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.564 ppbv  
 RT: 4.462 min Scan# 578  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 96 Resp: 534558  
 Ion Ratio Lower Upper  
 96 100  
 61 175.0 130.6 195.8  
 98 63.7 53.4 80.0



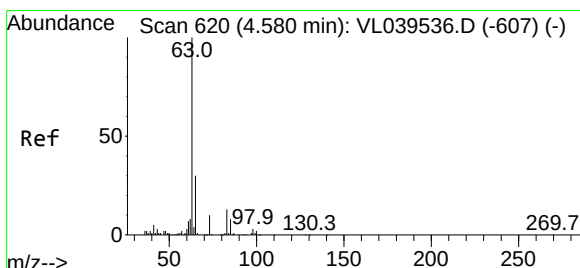
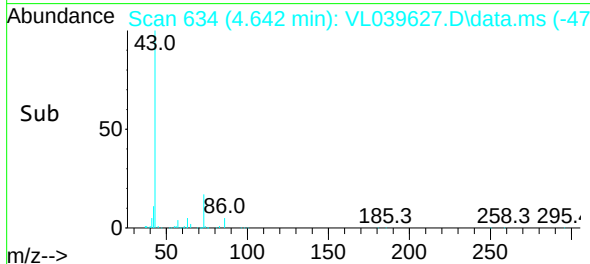
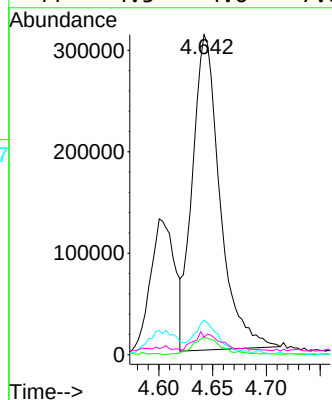
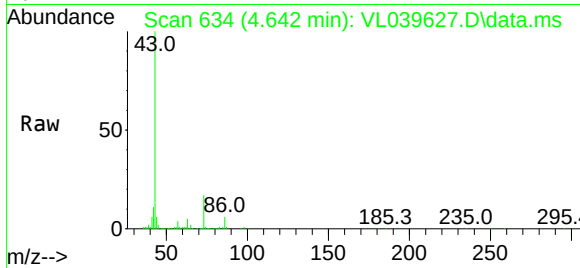


#23  
 Vinyl Acetate  
 Concen: 9.286 ppbv  
 RT: 4.642 min Scan# 615  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :

Tgt Ion: 43 Resp: 553090

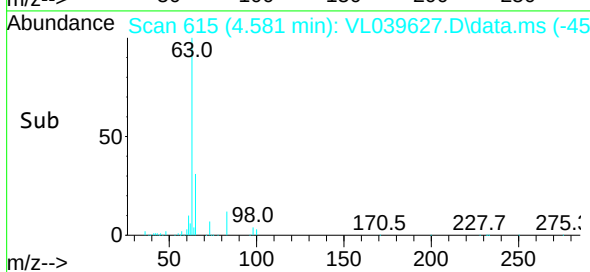
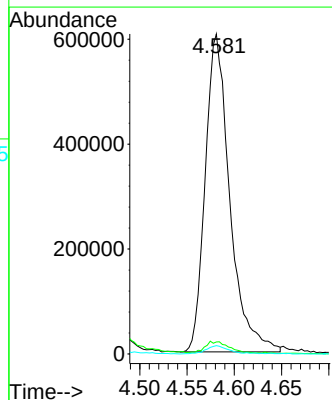
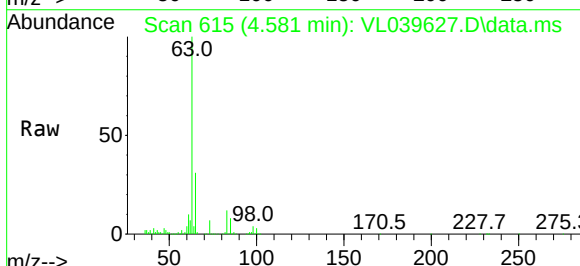
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 5.5   | 5.0   | 7.6   |
| 42  | 10.3  | 7.7   | 11.5  |
| 44  | 4.3   | 4.6   | 7.0   |

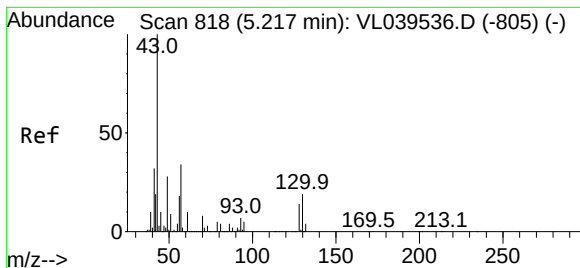


#24  
 1,1-Dichloroethane  
 Concen: 9.236 ppbv  
 RT: 4.581 min Scan# 615  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 63 Resp: 1095589

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.6   | 1.8   | 5.3   |
| 100 | 2.6   | 1.5   | 4.4   |





#25

Ethyl Acetate

Concen: 9.021 ppbv

RT: 5.221 min Scan# 816

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

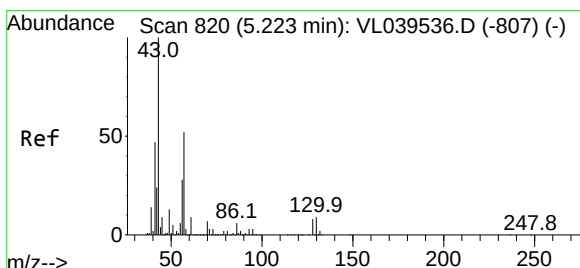
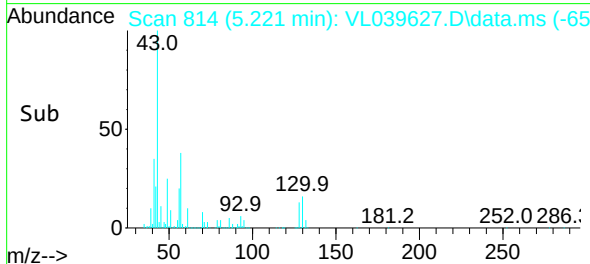
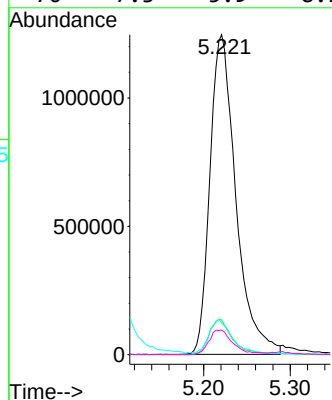
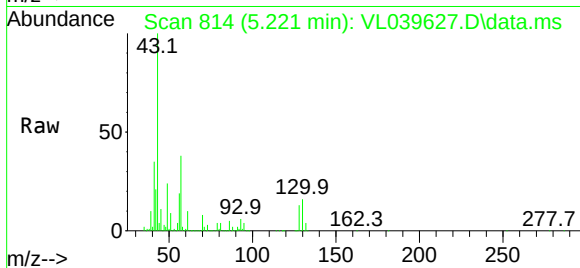
Instrument :

MSVOA\_L

ClientSampleId :

Tgt Ion: 43 Resp: 2591791

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.4  | 8.2   | 12.4  |
| 61  | 9.8   | 8.3   | 12.5  |
| 70  | 7.3   | 5.9   | 8.9   |



#26

Hexane

Concen: 8.845 ppbv

RT: 5.227 min Scan# 816

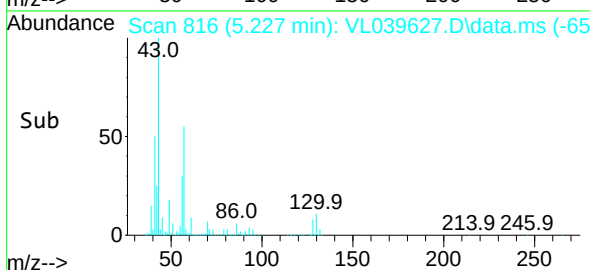
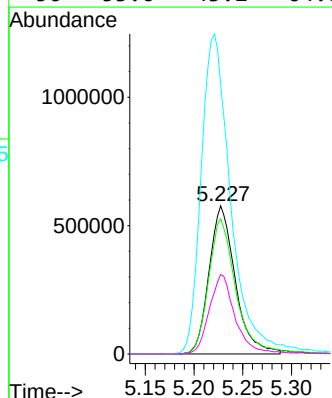
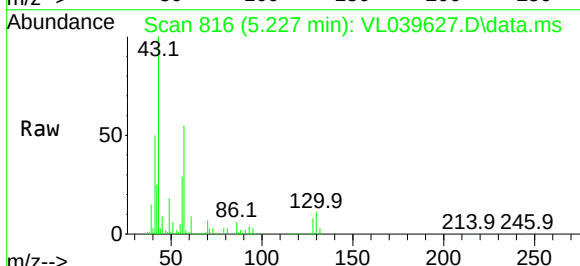
Delta R.T. 0.004 min

Lab File: VL039627.D

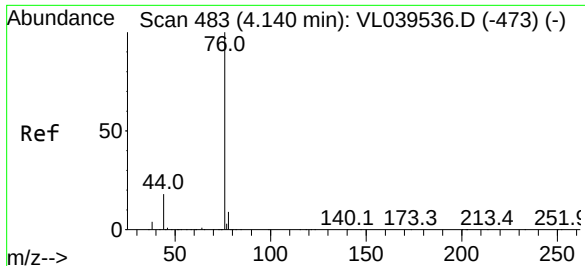
Acq: 19 Sep 2022 9:04

Tgt Ion: 57 Resp: 1078491

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 96.1  | 76.9  | 115.3 |
| 43  | 247.8 | 191.0 | 286.6 |
| 56  | 53.6  | 43.2  | 64.8  |





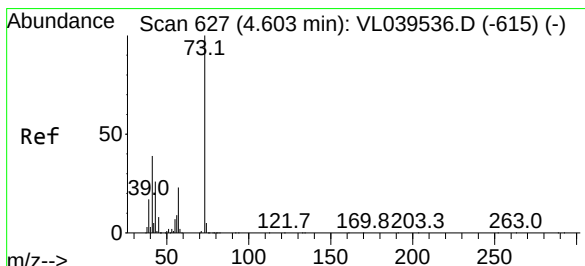
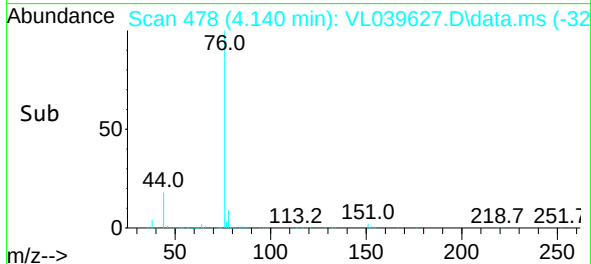
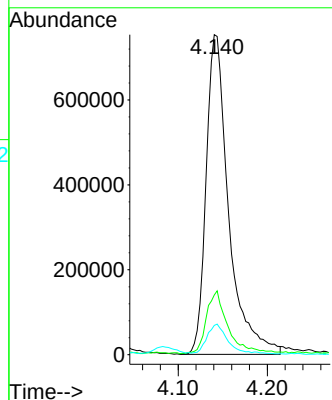
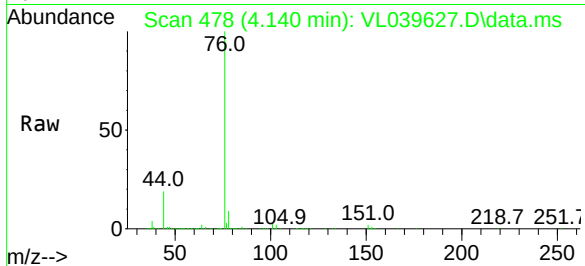


#27  
Carbon Disulfide  
Concen: 10.333 ppbv  
RT: 4.140 min Scan# 41  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 76 Resp: 1324019

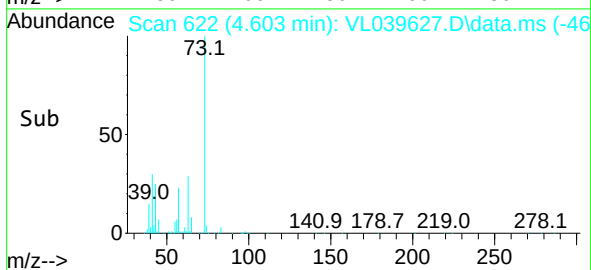
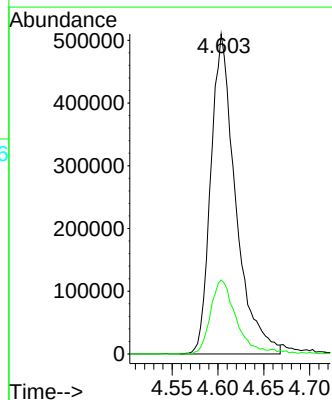
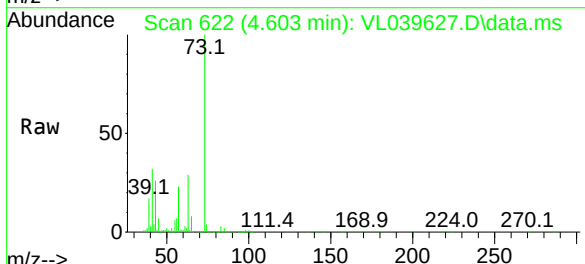
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 19.6  | 14.6  | 21.8  |
| 78  | 9.4   | 7.8   | 11.6  |

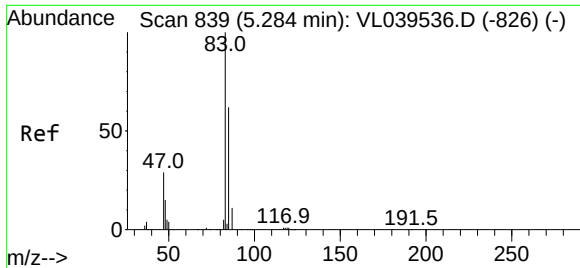


#28  
Methyl tert-Butyl Ether  
Concen: 9.359 ppbv  
RT: 4.603 min Scan# 622  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 73 Resp: 958694

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 24.5  | 19.8  | 29.8  |

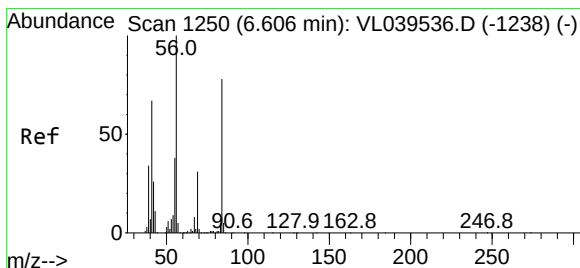
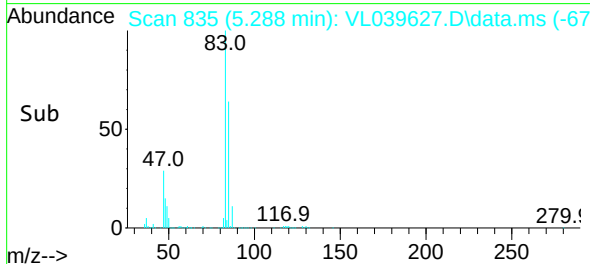
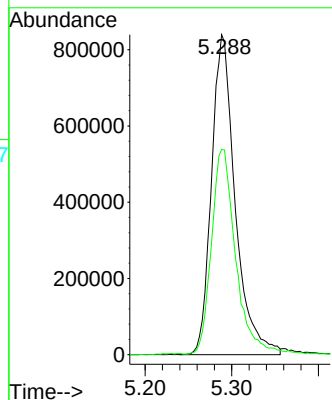
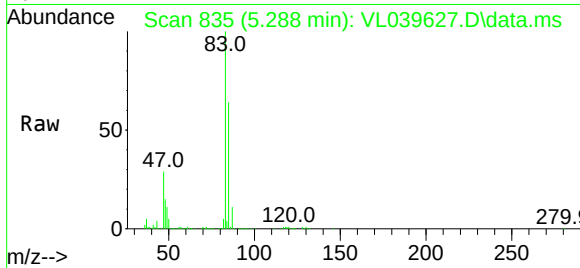




#29  
Chloroform  
Concen: 9.046 ppbv  
RT: 5.288 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

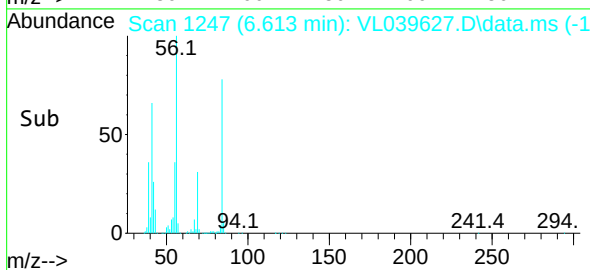
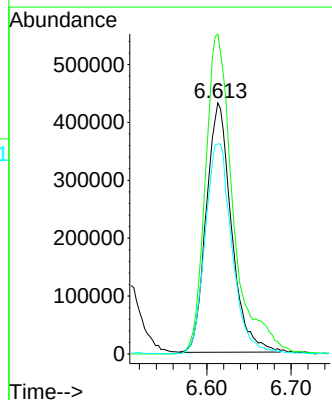
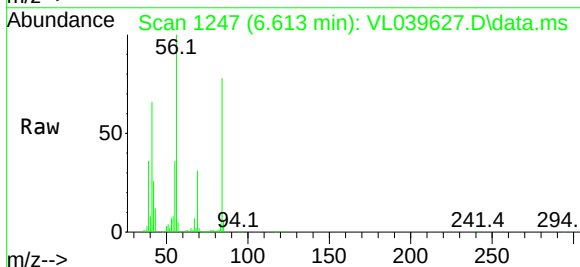
Instrument :  
MSVOA\_L  
ClientSampleId :

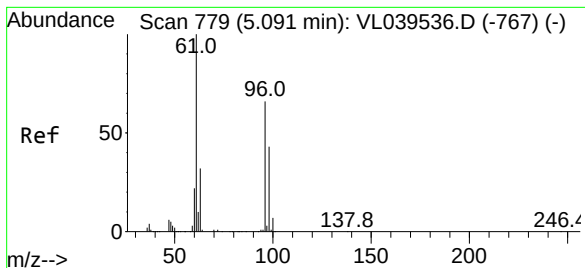
Tgt Ion: 83 Resp: 1592277  
Ion Ratio Lower Upper  
83 100  
85 63.8 52.8 79.2



#30  
Cyclohexane  
Concen: 9.501 ppbv  
RT: 6.613 min Scan# 1247  
Delta R.T. 0.007 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 84 Resp: 897087  
Ion Ratio Lower Upper  
84 100  
56 142.9 107.7 161.5  
41 90.7 67.7 101.5

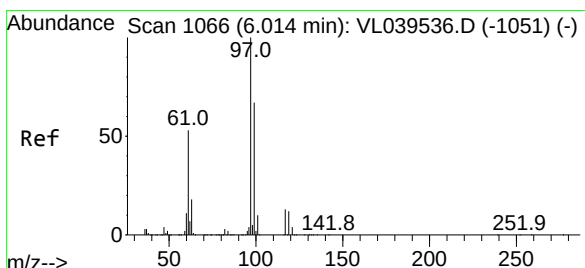
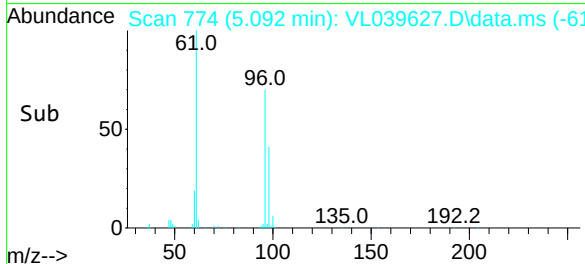
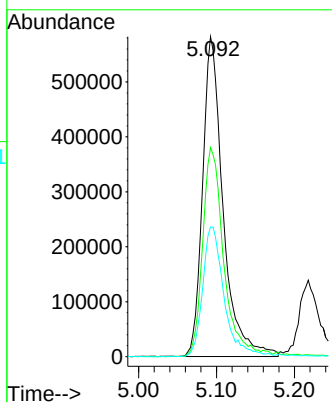
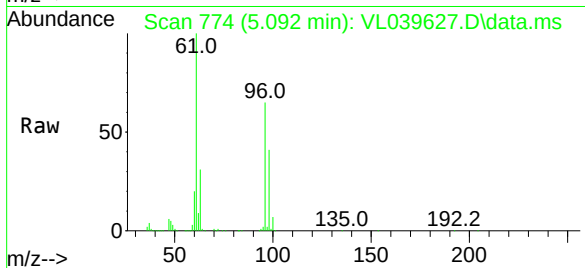




#31  
 cis-1,2-Dichloroethene  
 Concen: 9.625 ppbv  
 RT: 5.092 min Scan# 71  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

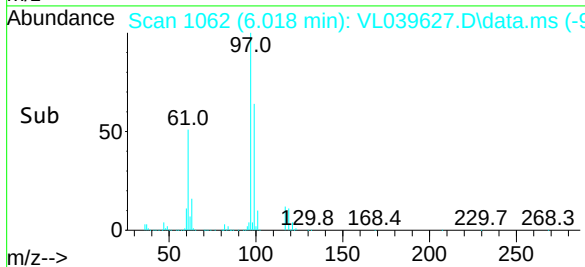
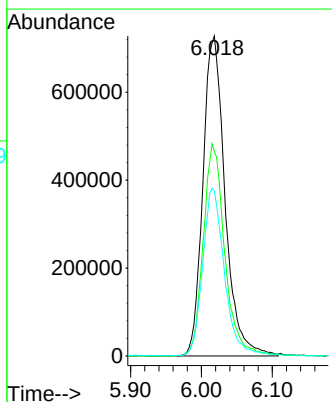
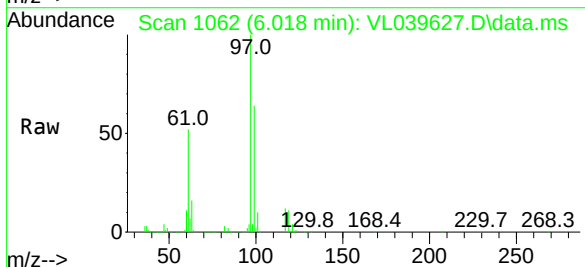
Instrument :  
 MSVOA\_L  
 ClientSampleId :

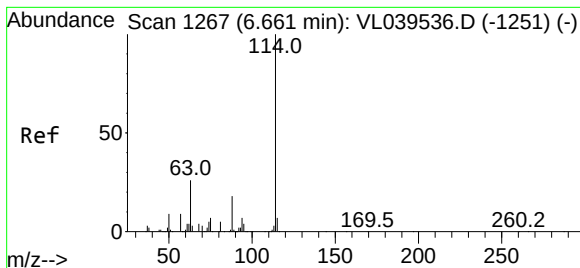
Tgt Ion: 61 Resp: 1061385  
 Ion Ratio Lower Upper  
 61 100  
 96 65.3 54.1 81.1  
 98 40.5 34.6 52.0



#32  
 1,1,1-Trichloroethane  
 Concen: 9.906 ppbv  
 RT: 6.018 min Scan# 1062  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 97 Resp: 1578536  
 Ion Ratio Lower Upper  
 97 100  
 99 64.7 52.3 78.5  
 61 51.8 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 1

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :

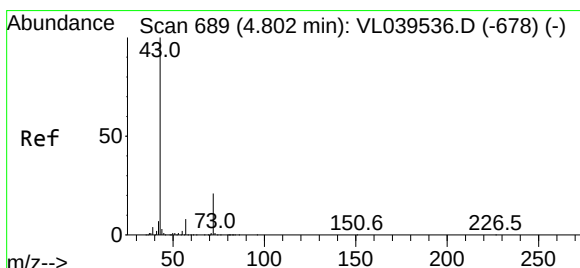
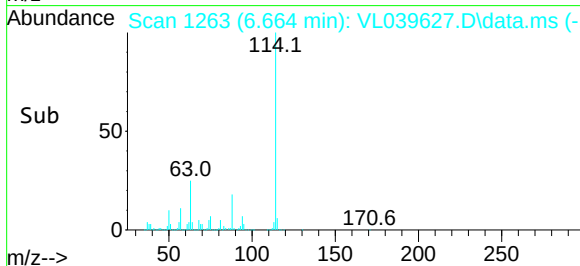
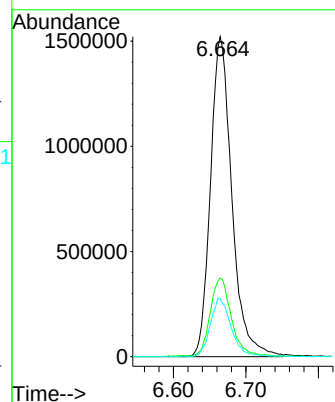
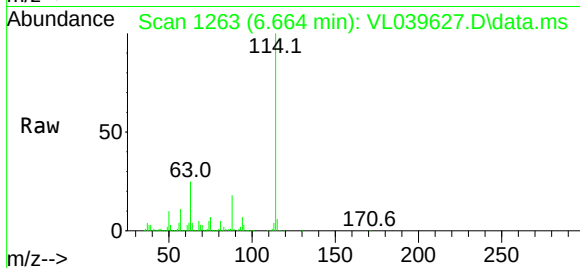
Tgt Ion:114 Resp: 3115798

Ion Ratio Lower Upper

114 100

63 24.9 20.2 30.4

88 17.9 14.5 21.7



#34

2-Butanone

Concen: 8.603 ppbv

RT: 4.803 min Scan# 684

Delta R.T. 0.001 min

Lab File: VL039627.D

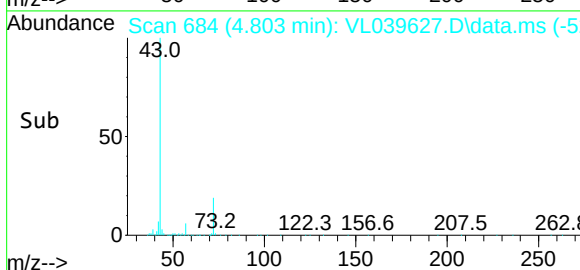
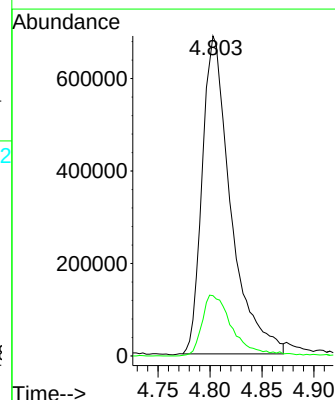
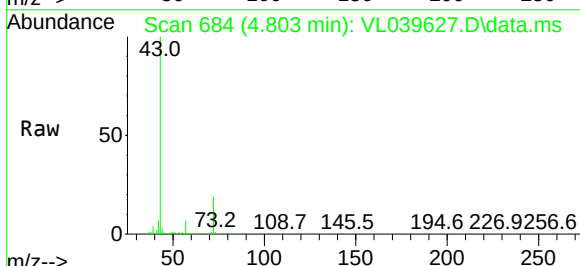
Acq: 19 Sep 2022 9:04

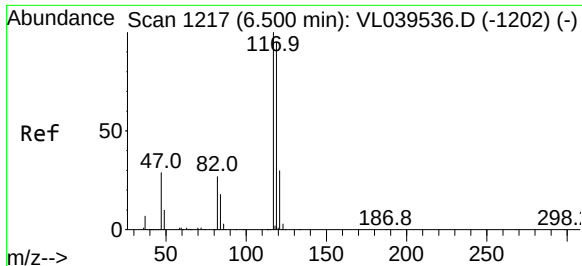
Tgt Ion: 43 Resp: 1316659

Ion Ratio Lower Upper

43 100

72 21.1 17.9 26.9

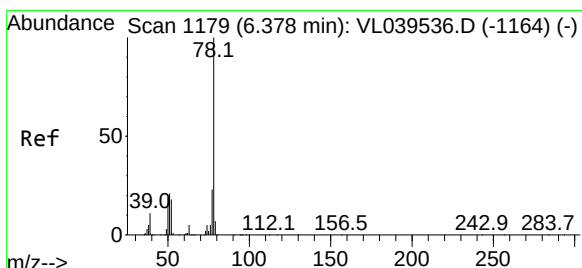
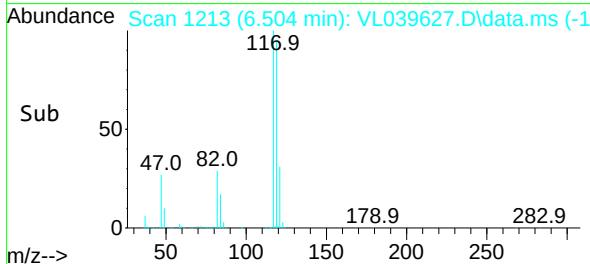
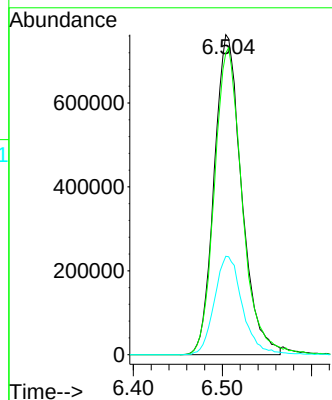
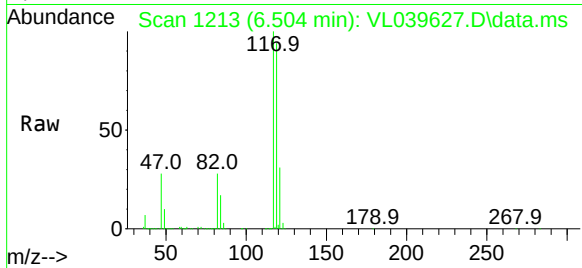




#35  
Carbon Tetrachloride  
Concen: 9.870 ppbv  
RT: 6.504 min Scan# 117  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

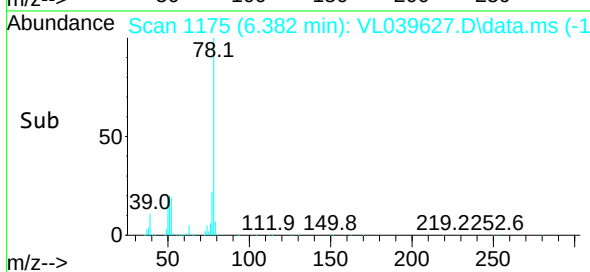
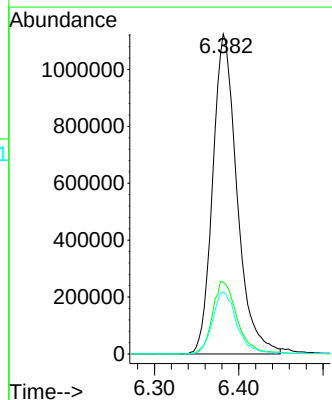
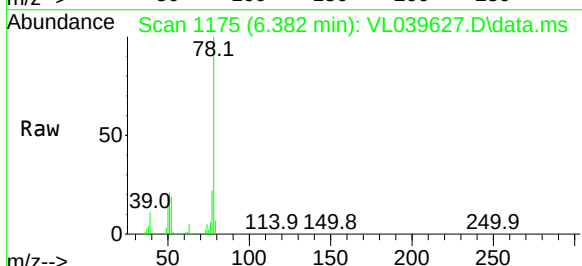
Instrument :  
MSVOA\_L  
ClientSampleId :

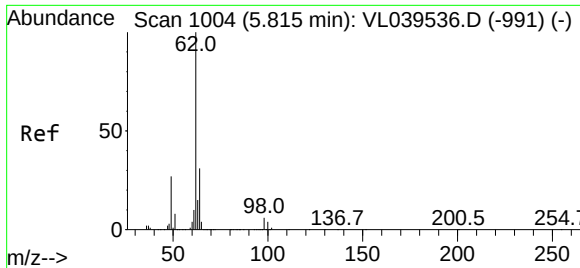
Tgt Ion:117 Resp: 1632559  
Ion Ratio Lower Upper  
117 100  
119 94.3 75.4 113.2  
121 30.8 24.2 36.2



#36  
Benzene  
Concen: 9.456 ppbv  
RT: 6.382 min Scan# 1175  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 78 Resp: 2252442  
Ion Ratio Lower Upper  
78 100  
77 22.4 20.3 30.5  
50 19.4 15.5 23.3

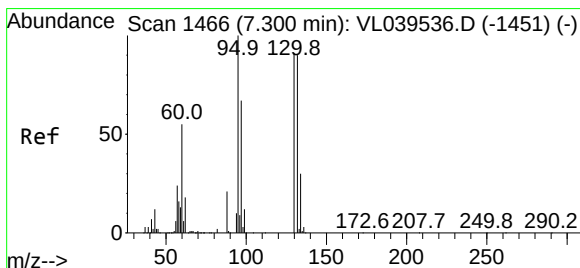
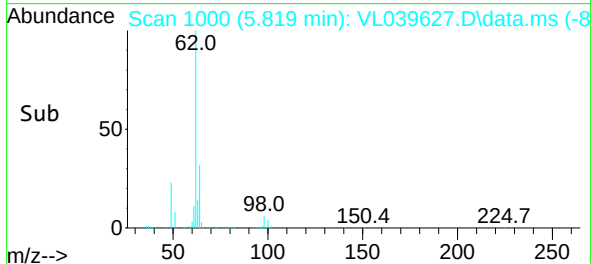
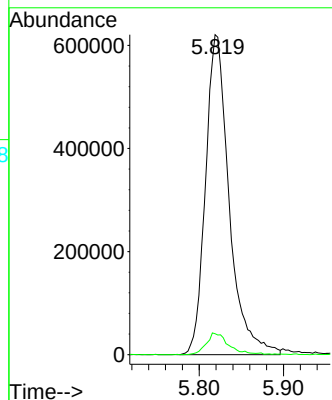
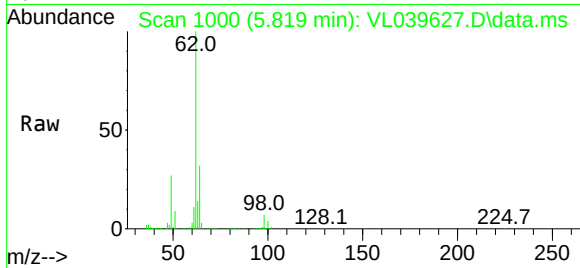




#37  
1,2-Dichloroethane  
Concen: 9.363 ppbv  
RT: 5.819 min Scan# 1004  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

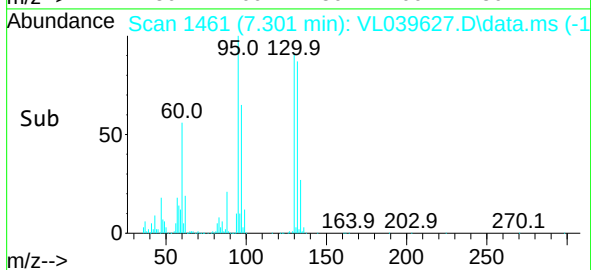
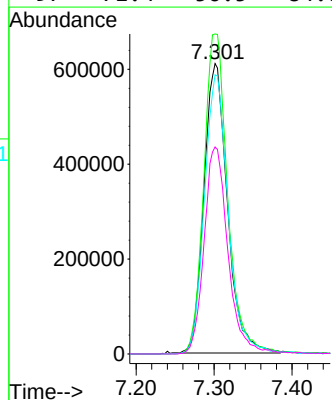
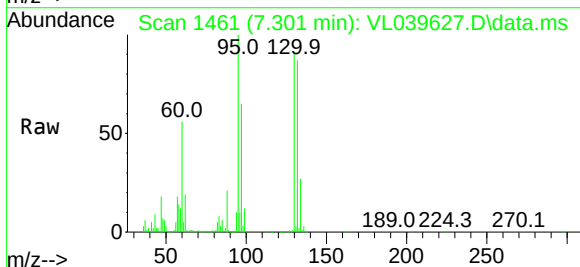
Instrument :  
MSVOA\_L  
ClientSampleId :

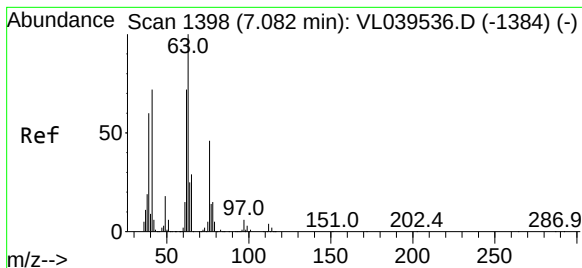
Tgt Ion: 62 Resp: 1213931  
Ion Ratio Lower Upper  
62 100  
98 6.5 5.1 7.7



#38  
Trichloroethene  
Concen: 9.931 ppbv  
RT: 7.301 min Scan# 1461  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion:130 Resp: 1278573  
Ion Ratio Lower Upper  
130 100  
95 110.4 87.3 130.9  
132 96.3 76.7 115.1  
97 71.4 56.5 84.7

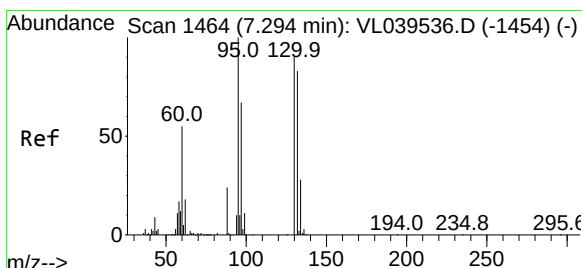
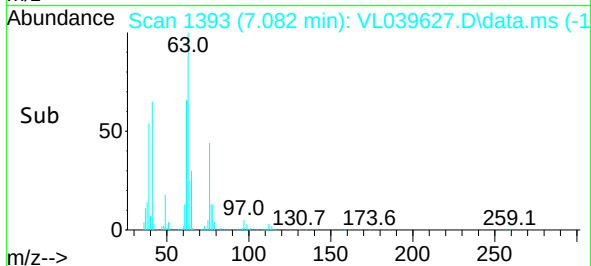
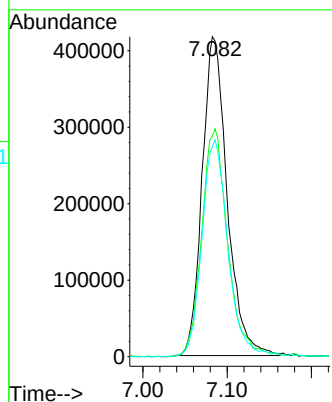
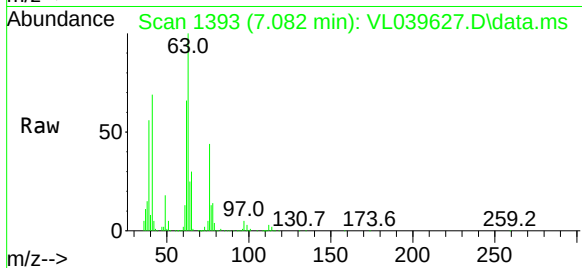




#39  
1,2-Dichloropropane  
Concen: 9.377 ppbv  
RT: 7.082 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

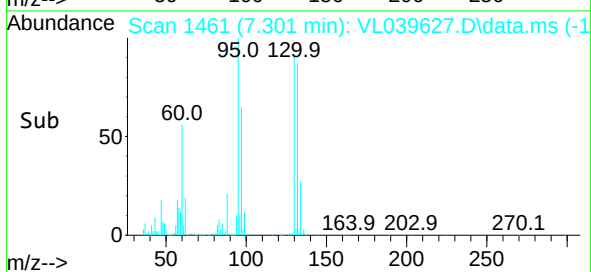
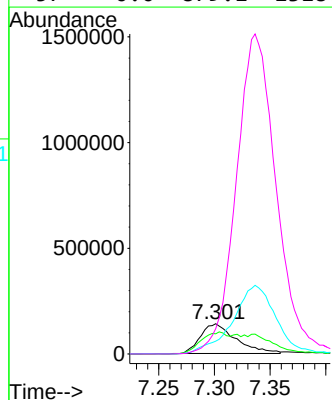
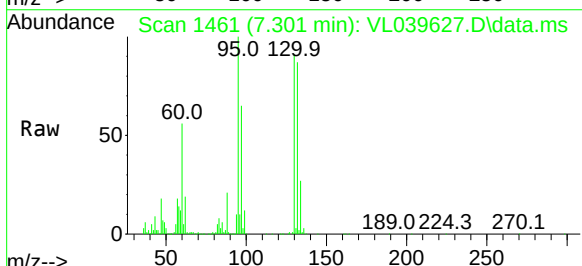
Instrument :  
MSVOA\_L  
ClientSampleId :

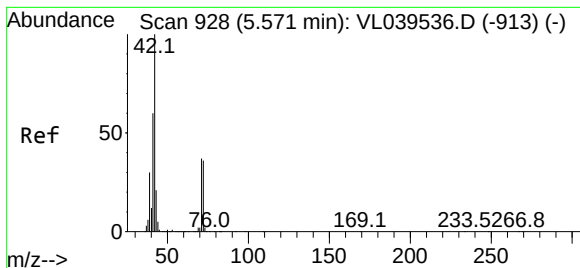
Tgt Ion: 63 Resp: 862523  
Ion Ratio Lower Upper  
63 100  
41 68.5 59.6 89.4  
62 65.3 51.4 77.0



#40  
1,4-Dioxane  
Concen: 8.282 ppbv  
RT: 7.301 min Scan# 1461  
Delta R.T. 0.007 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 88 Resp: 311078  
Ion Ratio Lower Upper  
88 100  
58 134.3 100.2 150.4  
43 0.0 205.8 308.6#  
57 0.0 879.1 1318.7#

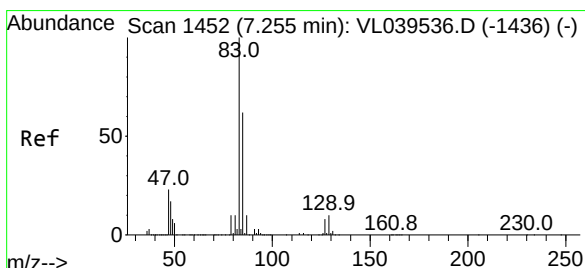
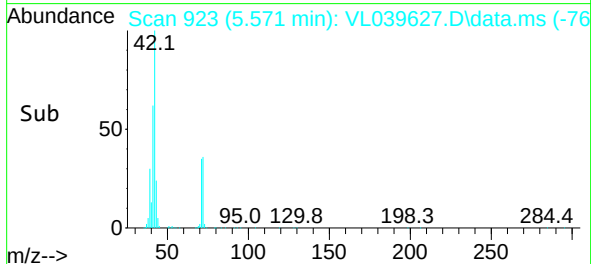
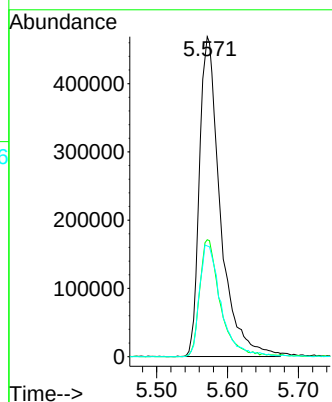
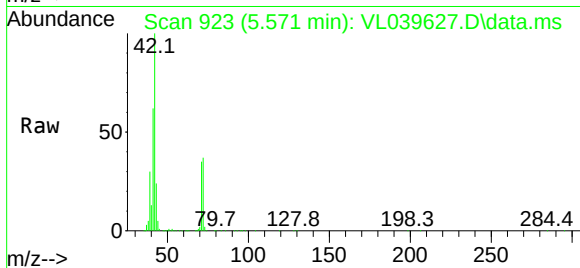




#41  
Tetrahydrofuran  
Concen: 10.212 ppbv  
RT: 5.571 min Scan# 91  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

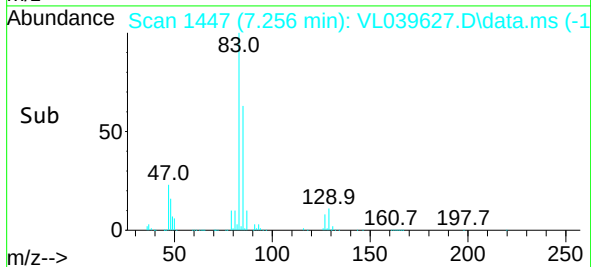
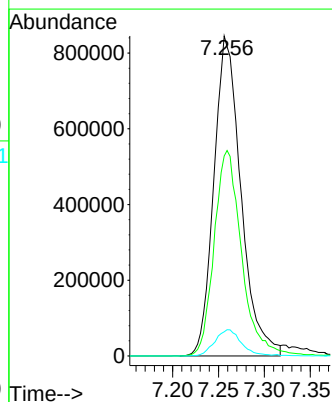
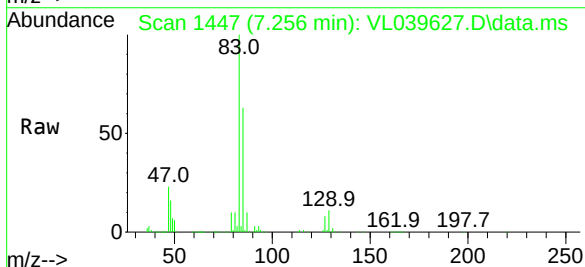
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion: 42 Resp: 958817  
Ion Ratio Lower Upper  
42 100  
72 36.6 31.8 47.8  
71 36.3 31.8 47.8

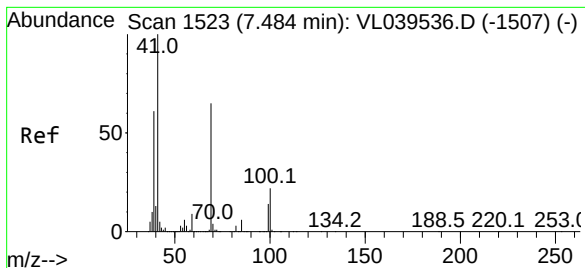


#42  
Bromodichloromethane  
Concen: 9.615 ppbv  
RT: 7.256 min Scan# 1447  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 83 Resp: 1733917  
Ion Ratio Lower Upper  
83 100  
85 62.5 50.7 76.1  
127 7.6 6.6 9.8







#43

Methyl Methacrylate

Concen: 10.279 ppbv

RT: 7.488 min Scan# 1

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :

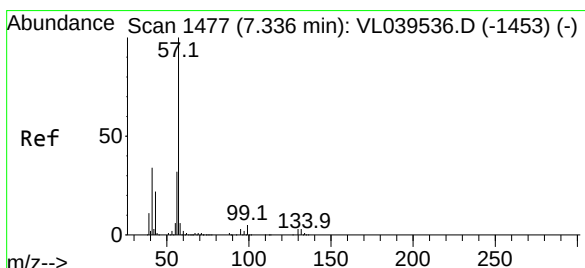
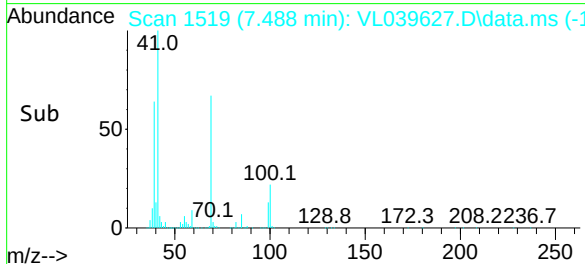
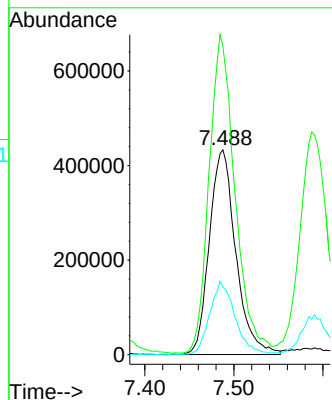
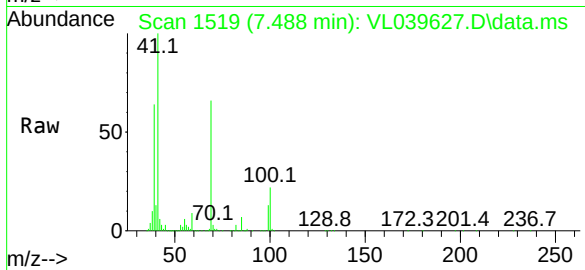
Tgt Ion: 69 Resp: 892618

Ion Ratio Lower Upper

69 100

41 154.4 120.8 181.2

100 34.3 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 9.264 ppbv

RT: 7.336 min Scan# 1472

Delta R.T. 0.001 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

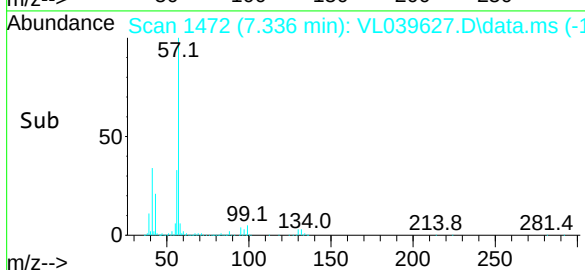
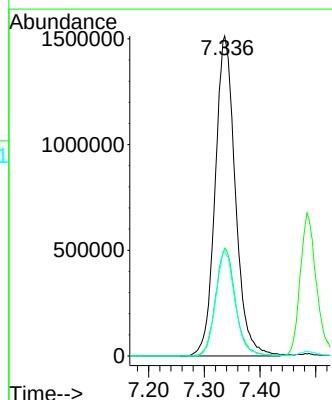
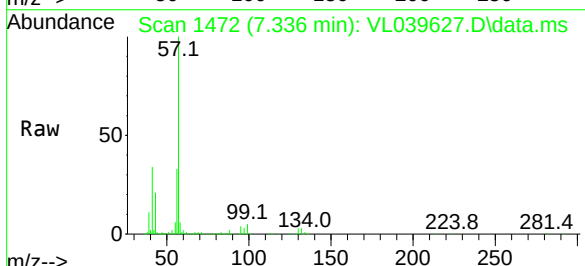
Tgt Ion: 57 Resp: 3803681

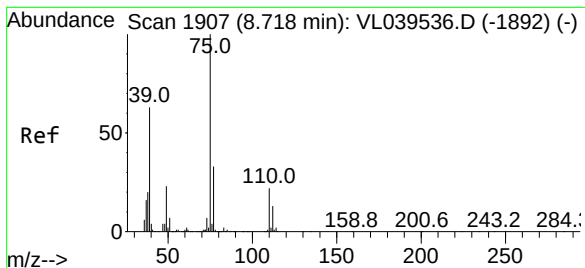
Ion Ratio Lower Upper

57 100

41 33.2 27.4 41.2

56 31.8 24.5 36.7

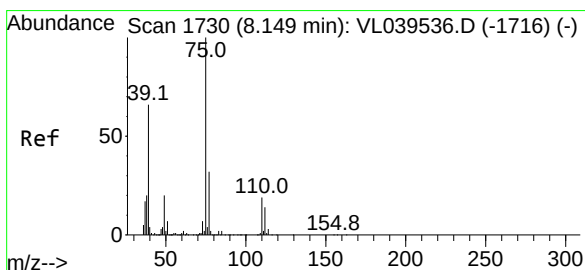
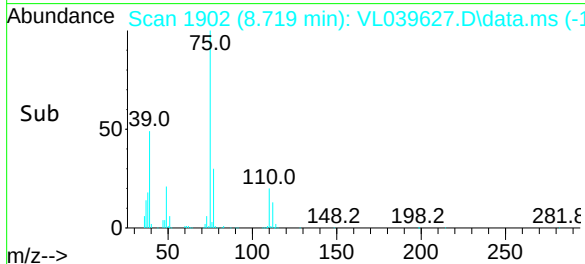
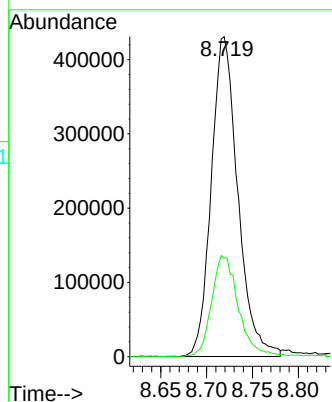
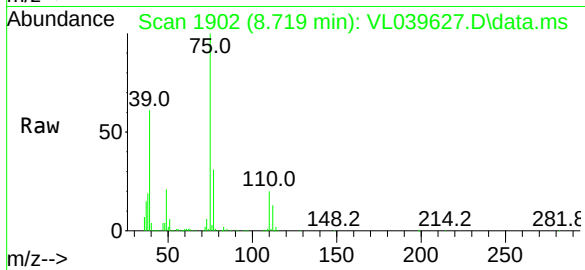




#45  
 t-1,3-Dichloropropene  
 Concen: 11.788 ppbv  
 RT: 8.719 min Scan# 1907  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

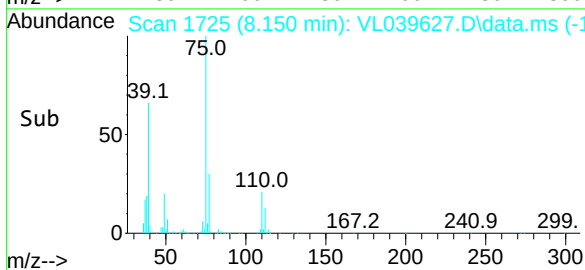
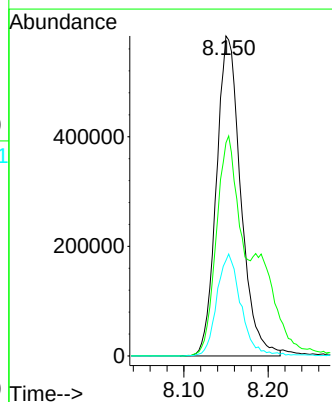
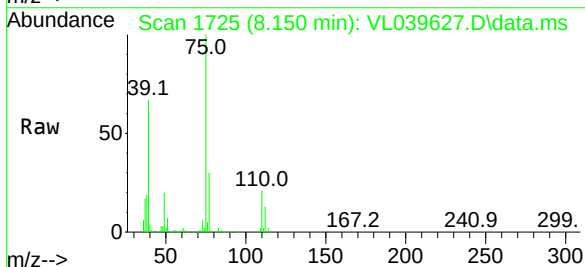
Instrument :  
 MSVOA\_L  
 ClientSampleId :

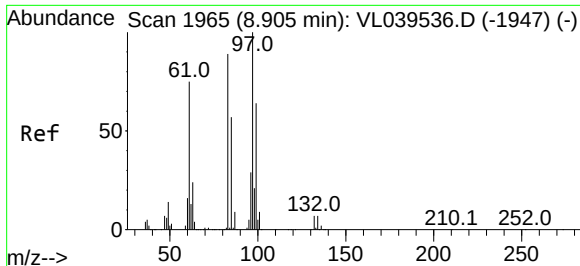
Tgt Ion: 75 Resp: 865012  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 24.6 36.8



#46  
 cis-1,3-Dichloropropene  
 Concen: 11.206 ppbv  
 RT: 8.150 min Scan# 1725  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 75 Resp: 1170581  
 Ion Ratio Lower Upper  
 75 100  
 39 66.5 55.0 82.4  
 77 29.8 25.7 38.5

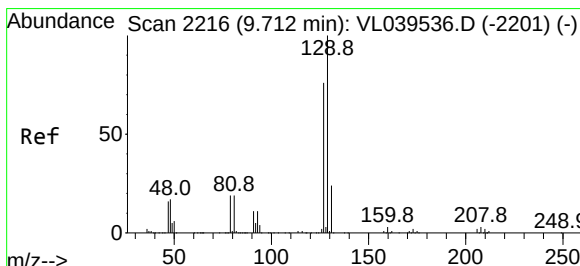
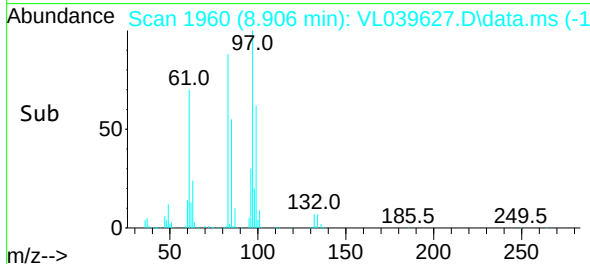
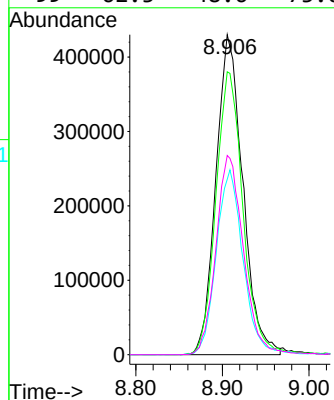
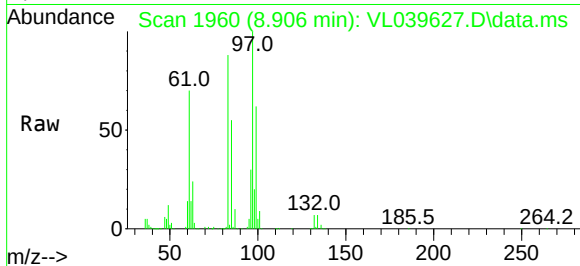




#47  
1,1,2-Trichloroethane  
Concen: 9.207 ppbv  
RT: 8.906 min Scan# 1965  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

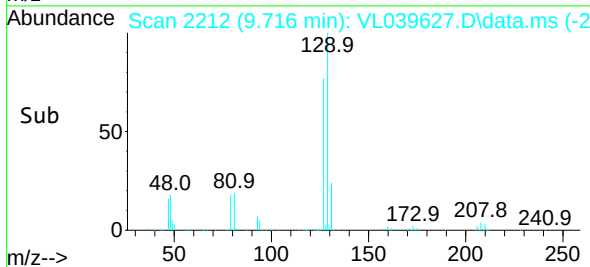
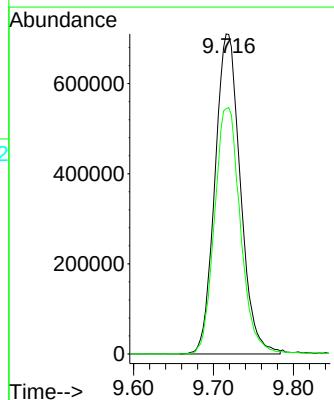
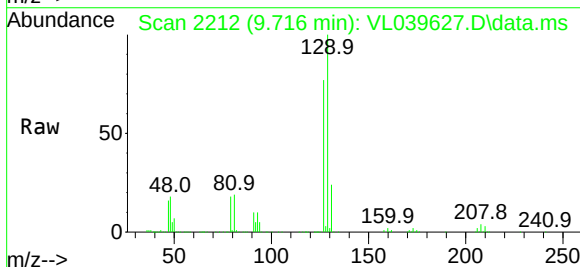
Instrument :  
MSVOA\_L  
ClientSampleId :

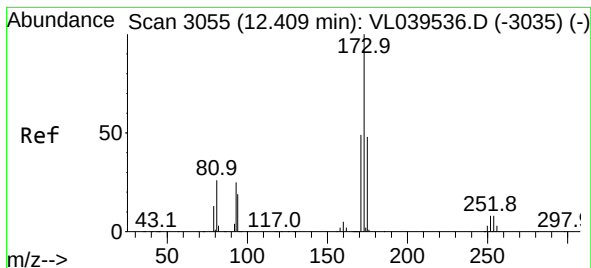
Tgt Ion: 97 Resp: 925690  
Ion Ratio Lower Upper  
97 100  
83 88.3 67.4 101.0  
85 54.8 45.1 67.7  
99 62.3 48.6 73.0



#48  
Dibromochloromethane  
Concen: 10.330 ppbv  
RT: 9.716 min Scan# 2212  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 129 Resp: 1564053  
Ion Ratio Lower Upper  
129 100  
127 78.6 39.3 117.9





#49

Bromoform

Concen: 10.570 ppbv

RT: 12.413 min Scan# 3055

Delta R.T. 0.004 min

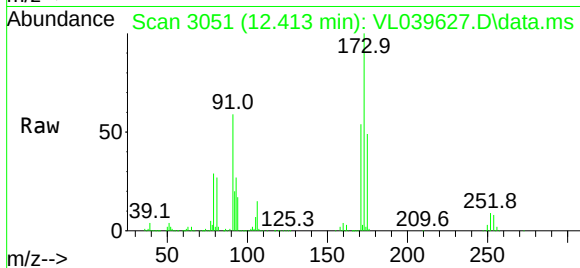
Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :



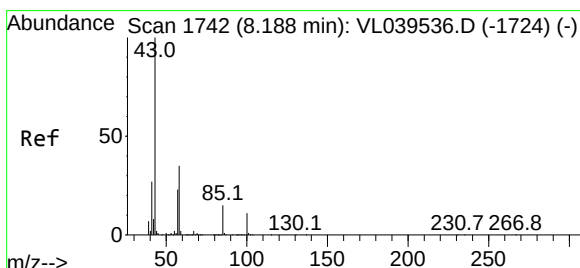
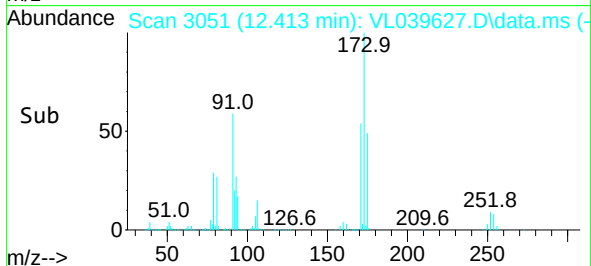
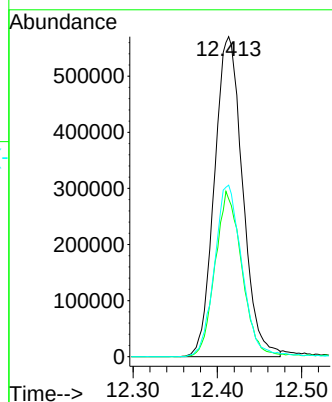
Tgt Ion:173 Resp: 1323671

Ion Ratio Lower Upper

173 100

175 49.3 40.3 60.5

171 53.1 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 9.991 ppbv

RT: 8.192 min Scan# 1738

Delta R.T. 0.004 min

Lab File: VL039627.D

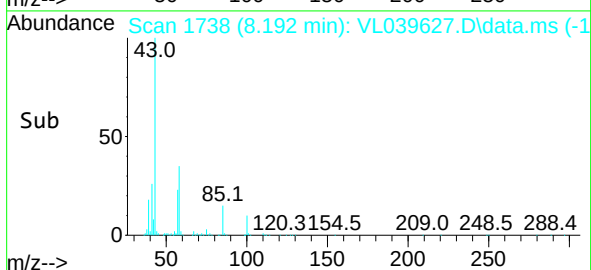
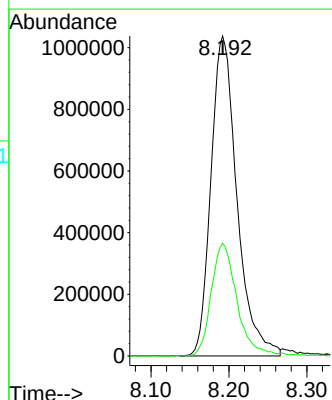
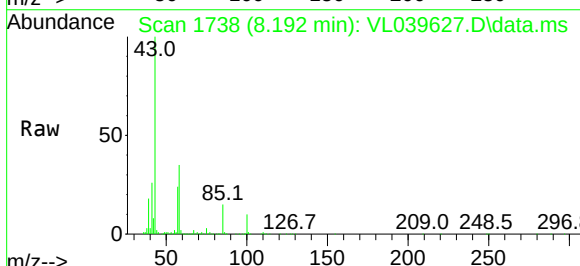
Acq: 19 Sep 2022 9:04

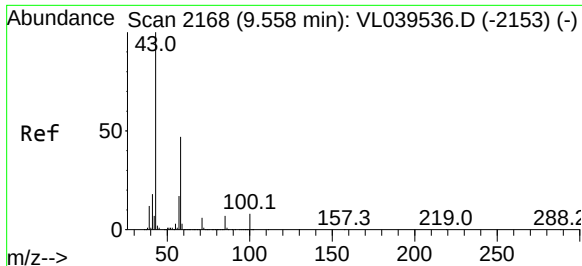
Tgt Ion: 43 Resp: 2402713

Ion Ratio Lower Upper

43 100

58 35.2 28.8 43.2

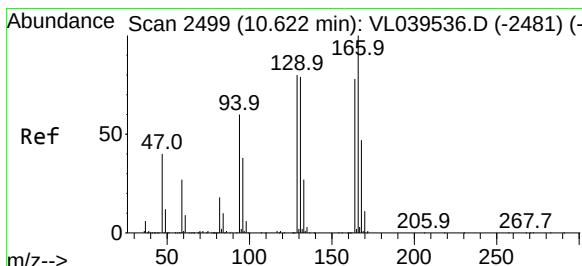
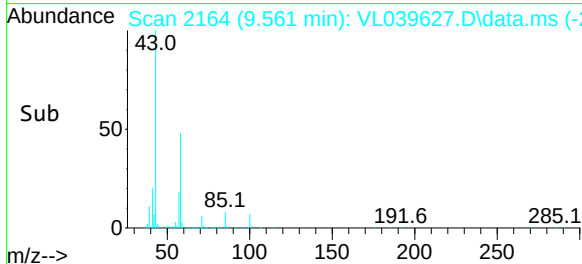
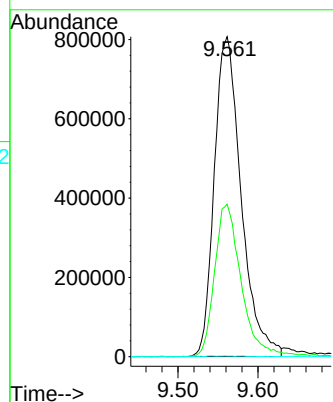
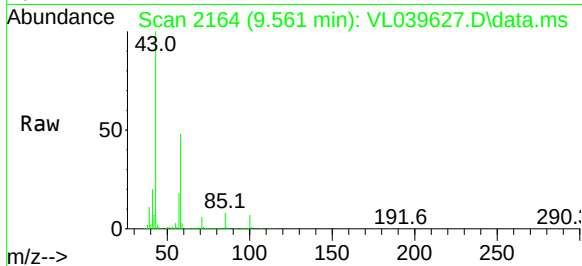




#51  
2-Hexanone  
Concen: 10.576 ppbv  
RT: 9.561 min Scan# 2168  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

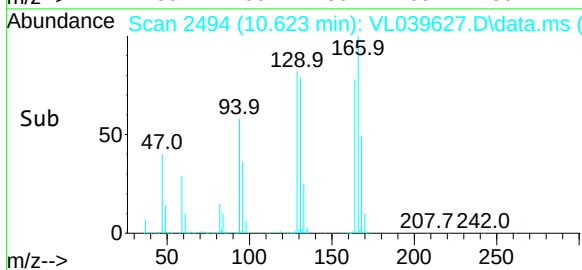
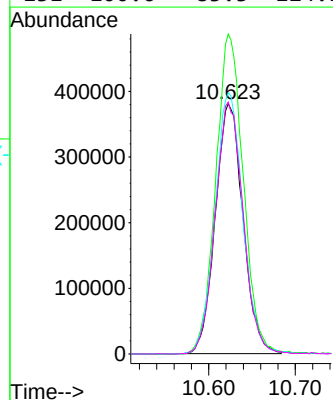
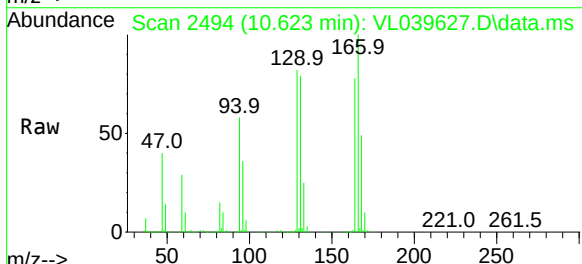
Instrument :  
MSVOA\_L  
ClientSampleId :

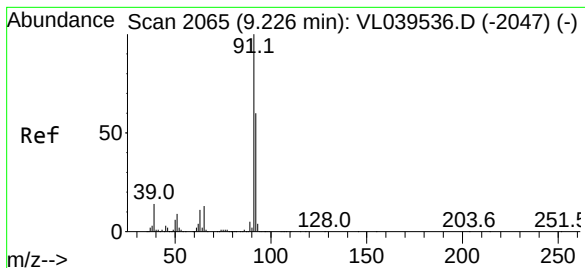
Tgt Ion: 43 Resp: 1882765  
Ion Ratio Lower Upper  
43 100  
58 47.5 38.4 57.6  
98 0.3 0.3 0.5



#52  
Tetrachloroethene  
Concen: 9.280 ppbv  
RT: 10.623 min Scan# 2494  
Delta R.T. 0.001 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 164 Resp: 843377  
Ion Ratio Lower Upper  
164 100  
166 127.8 102.2 153.2  
129 104.5 85.8 128.8  
131 100.6 83.3 124.9





#53

Toluene

Concen: 10.109 ppbv

RT: 9.227 min Scan# 2065

Delta R.T. 0.001 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

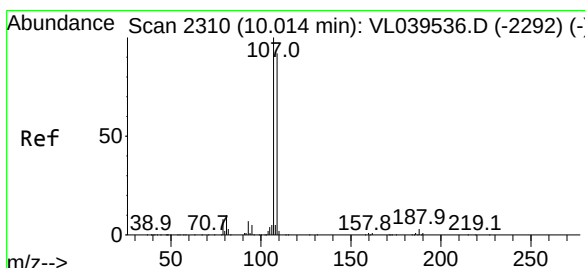
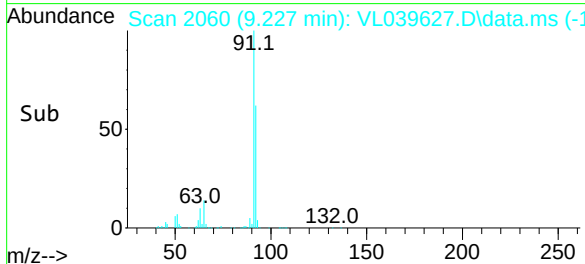
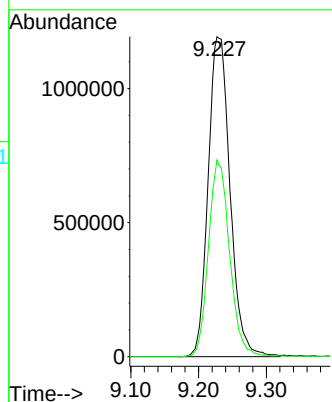
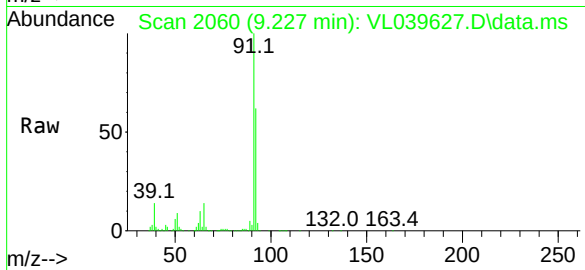
ClientSampleId :

Tgt Ion: 91 Resp: 2678403

Ion Ratio Lower Upper

91 100

92 59.5 48.2 72.2



#54

1,2-Dibromoethane

Concen: 10.179 ppbv

RT: 10.015 min Scan# 2305

Delta R.T. 0.001 min

Lab File: VL039627.D

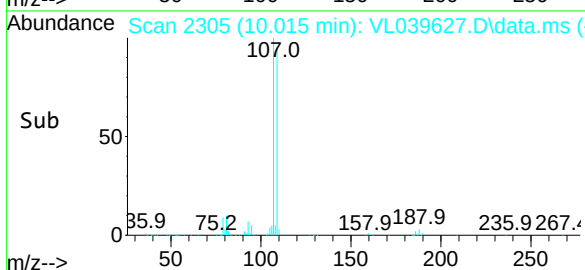
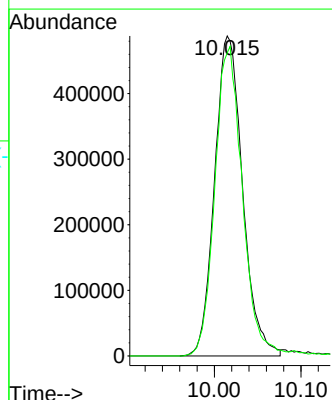
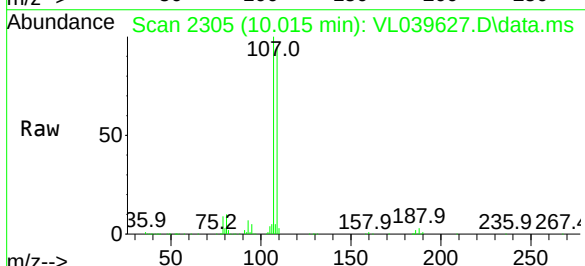
Acq: 19 Sep 2022 9:04

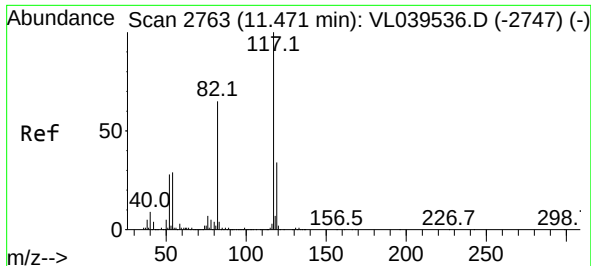
Tgt Ion: 107 Resp: 1094906

Ion Ratio Lower Upper

107 100

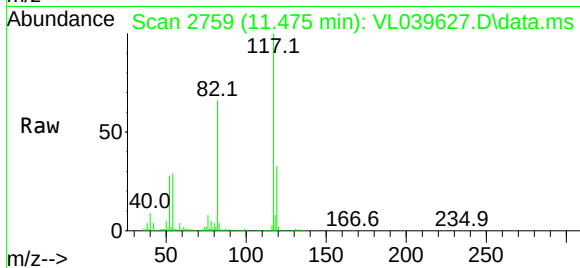
109 94.7 74.8 112.2



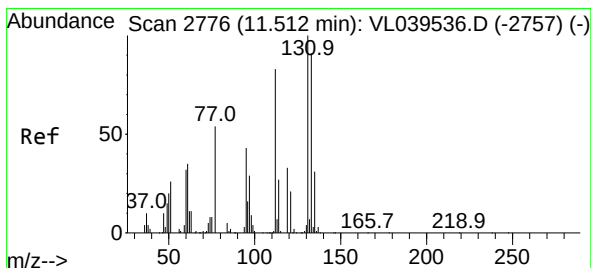
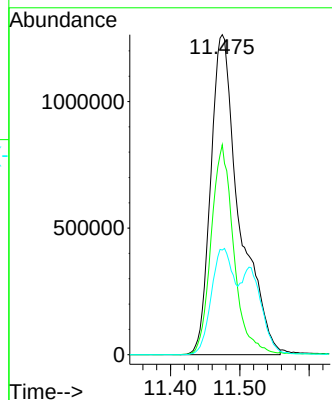
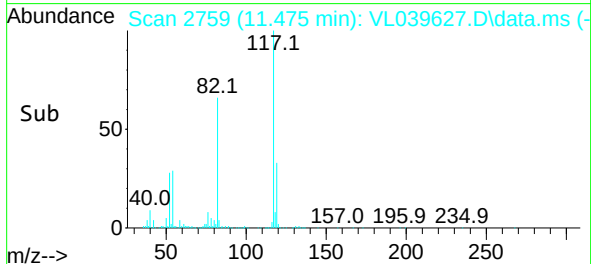


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.475 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :

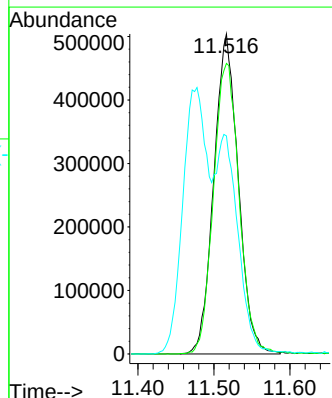
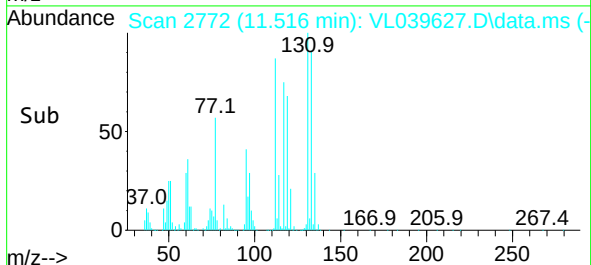
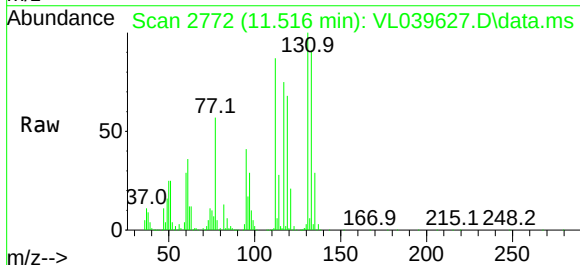


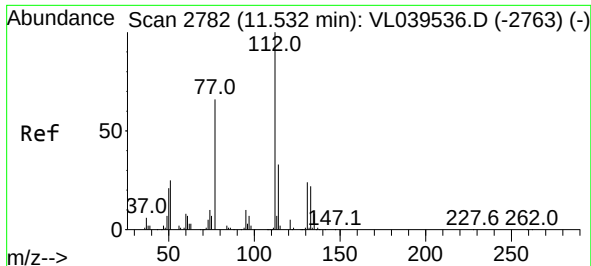
Tgt Ion:117 Resp: 3626780  
Ion Ratio Lower Upper  
117 100  
82 52.2 50.8 76.2  
119 26.4 24.1 36.1



#56  
1,1,1,2-Tetrachloroethane  
Concen: 7.672 ppbv  
RT: 11.516 min Scan# 2772  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion:131 Resp: 1124407  
Ion Ratio Lower Upper  
131 100  
133 96.2 76.8 115.2  
119 64.1 46.2 69.4

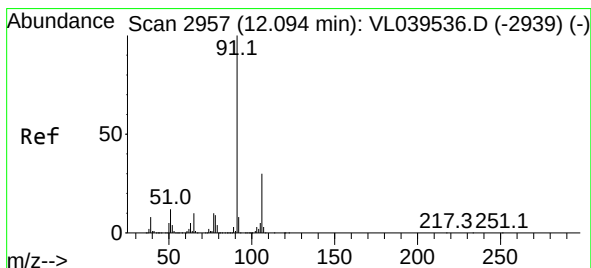
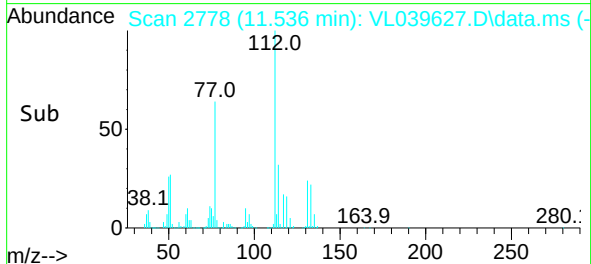
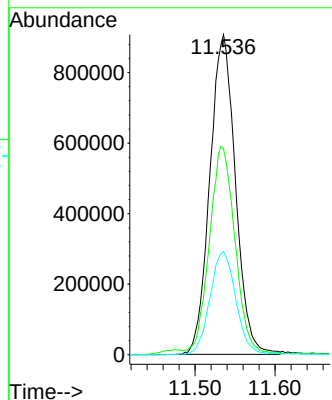
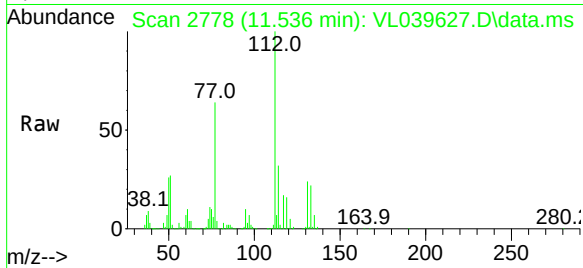




#57  
Chlorobenzene  
Concen: 7.545 ppbv  
RT: 11.536 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

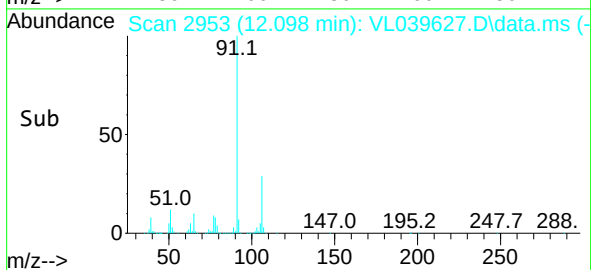
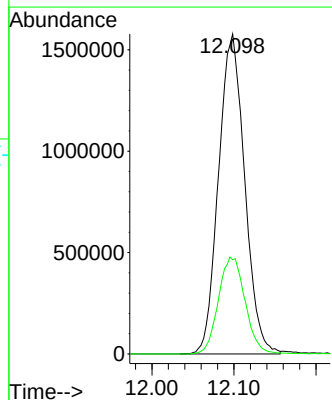
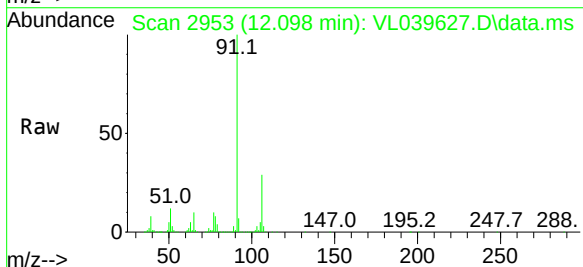
Instrument :  
MSVOA\_L  
ClientSampleId :

Tgt Ion:112 Resp: 2012125  
Ion Ratio Lower Upper  
112 100  
77 63.6 51.0 76.4  
114 32.0 27.5 33.6

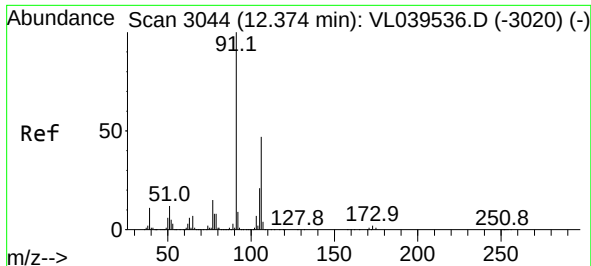


#58  
Ethyl Benzene  
Concen: 8.352 ppbv  
RT: 12.098 min Scan# 2953  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion: 91 Resp: 3492719  
Ion Ratio Lower Upper  
91 100  
106 29.4 25.4 38.0







#59

m/p-Xylene

Concen: 7.909 ppbv

RT: 12.381 min Scan# 3044

Delta R.T. 0.007 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

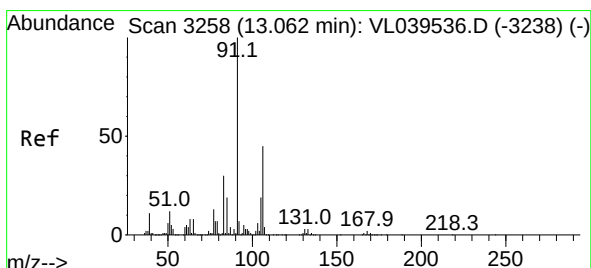
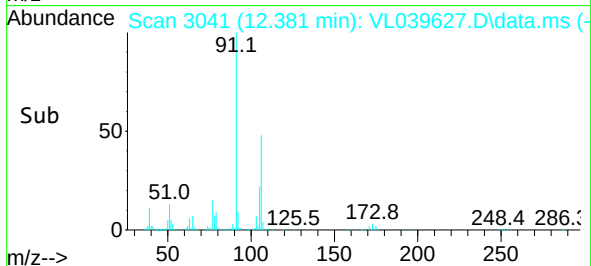
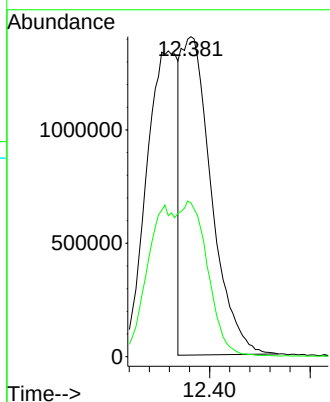
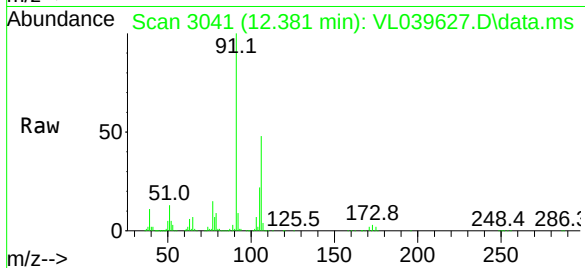
ClientSampleId :

Tgt Ion: 91 Resp: 2943326

Ion Ratio Lower Upper

91 100

106 90.5 35.4 53.2#



#60

o-Xylene

Concen: 7.975 ppbv

RT: 13.069 min Scan# 3255

Delta R.T. 0.007 min

Lab File: VL039627.D

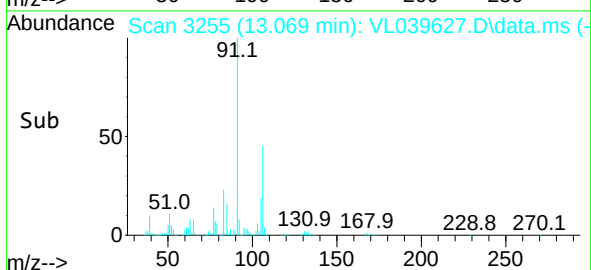
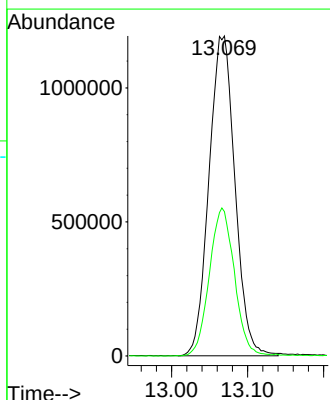
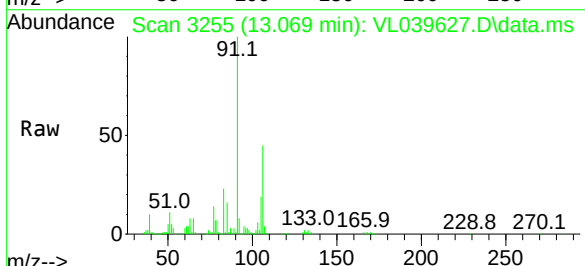
Acq: 19 Sep 2022 9:04

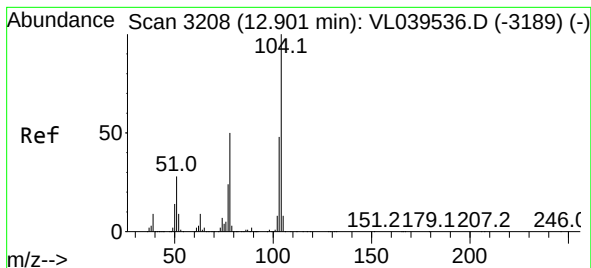
Tgt Ion: 91 Resp: 2833970

Ion Ratio Lower Upper

91 100

106 45.1 22.4 67.3





#61

Styrene

Concen: 8.980 ppbv

RT: 12.905 min Scan# 31

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :

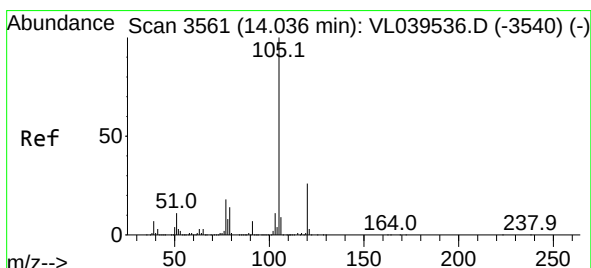
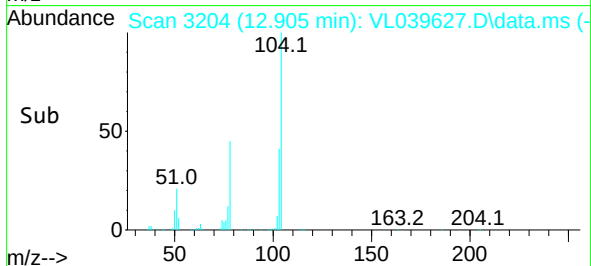
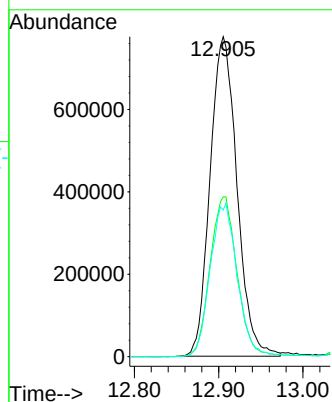
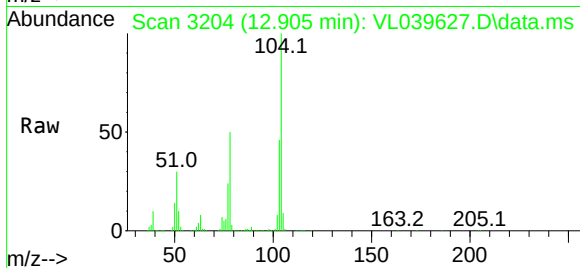
Tgt Ion:104 Resp: 1718664

Ion Ratio Lower Upper

104 100

78 50.7 41.2 61.8

103 48.4 38.7 58.1



#62

Isopropylbenzene

Concen: 7.706 ppbv

RT: 14.037 min Scan# 3556

Delta R.T. 0.001 min

Lab File: VL039627.D

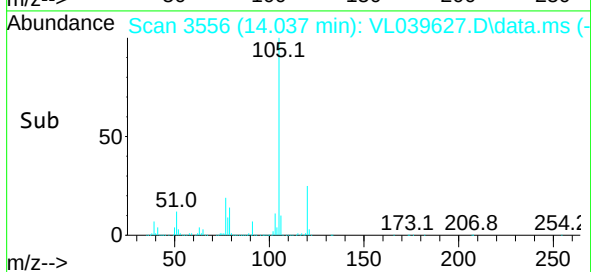
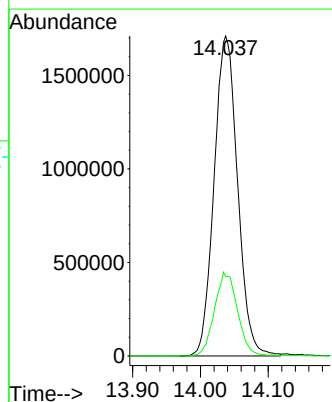
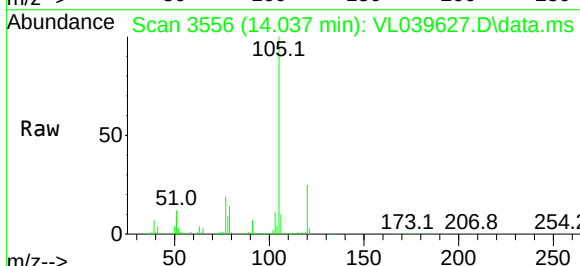
Acq: 19 Sep 2022 9:04

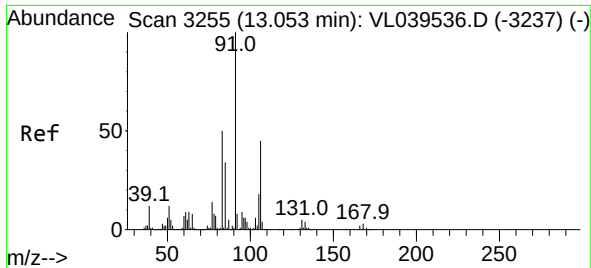
Tgt Ion:105 Resp: 4120955

Ion Ratio Lower Upper

105 100

120 25.7 20.7 31.1

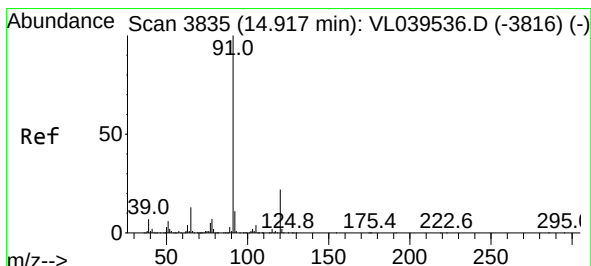
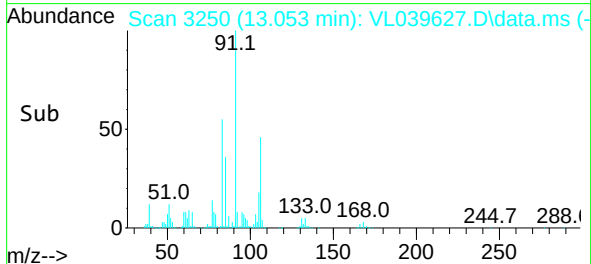
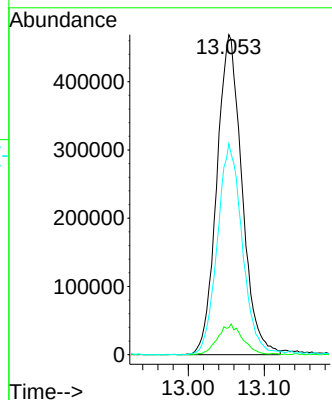
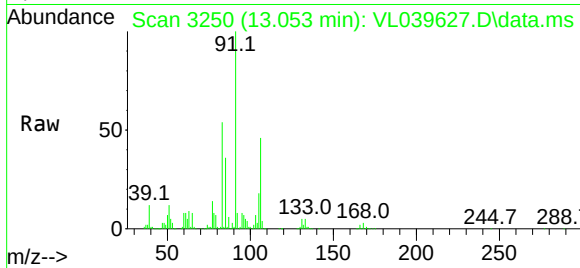




#63  
 1,1,2,2-Tetrachloroethane  
 Concen: 7.596 ppbv  
 RT: 13.053 min Scan# 31  
 Delta R.T. 0.001 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

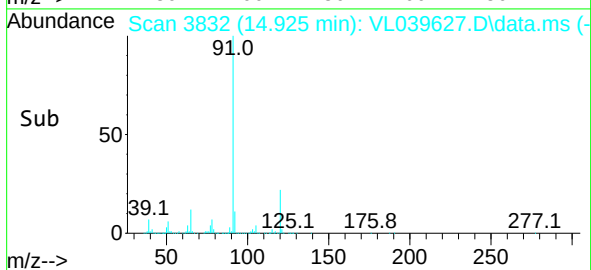
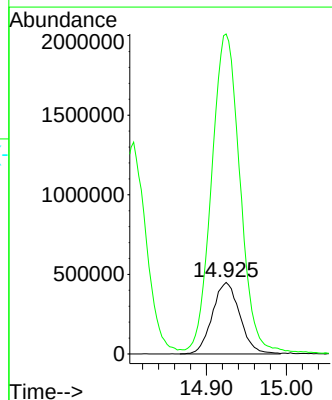
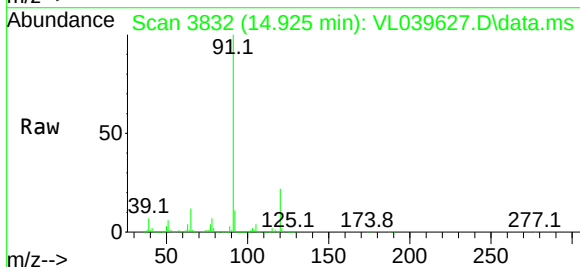
Instrument :  
 MSVOA\_L  
 ClientSampleId :

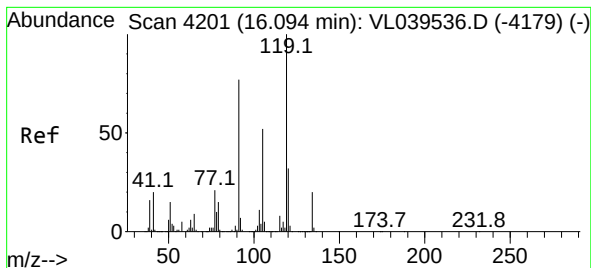
Tgt Ion: 83 Resp: 1076744  
 Ion Ratio Lower Upper  
 83 100  
 131 9.6 5.3 15.8  
 85 66.2 33.1 99.5



#64  
 n-propylbenzene  
 Concen: 7.789 ppbv  
 RT: 14.925 min Scan# 3832  
 Delta R.T. 0.007 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion: 120 Resp: 1066606  
 Ion Ratio Lower Upper  
 120 100  
 91 471.4 367.2 550.8





#65

tert-Butylbenzene

Concen: 7.662 ppbv

RT: 16.098 min Scan# 41

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :

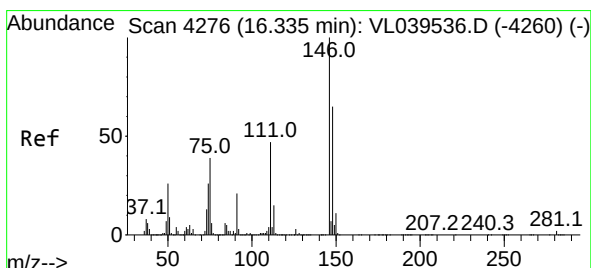
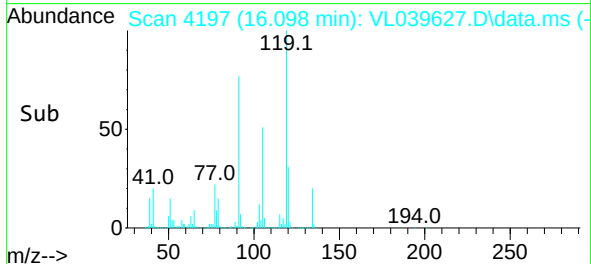
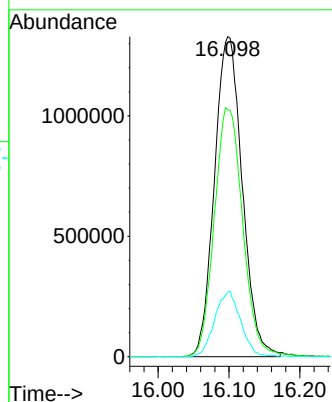
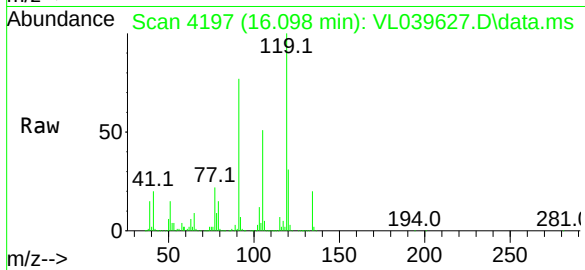
Tgt Ion:119 Resp: 3619797

Ion Ratio Lower Upper

119 100

91 79.4 63.4 95.2

134 19.2 15.9 23.9



#66

Benzyl Chloride

Concen: 4.552 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. -0.006 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

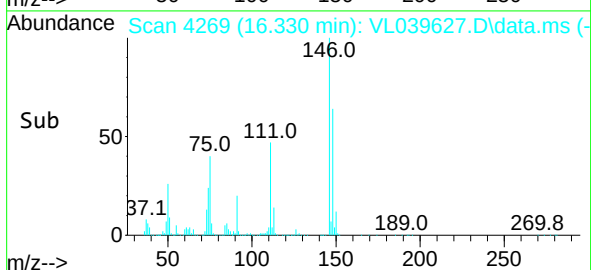
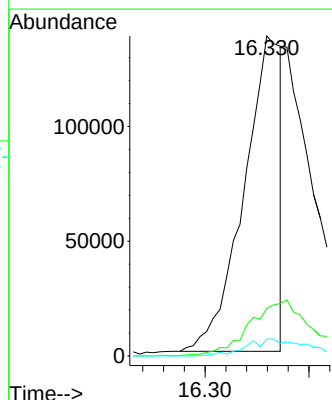
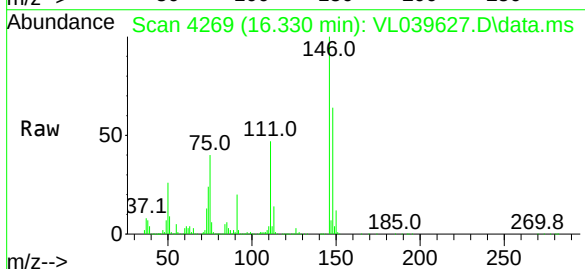
Tgt Ion: 91 Resp: 171226

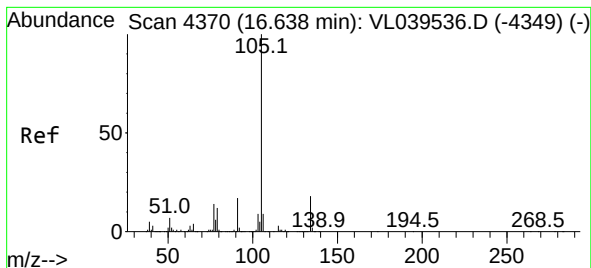
Ion Ratio Lower Upper

91 100

126 31.2 13.1 19.7#

128 9.9 4.4 6.6#





#67

sec-Butylbenzene

Concen: 7.617 ppbv

RT: 16.645 min Scan# 41

Delta R.T. 0.007 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

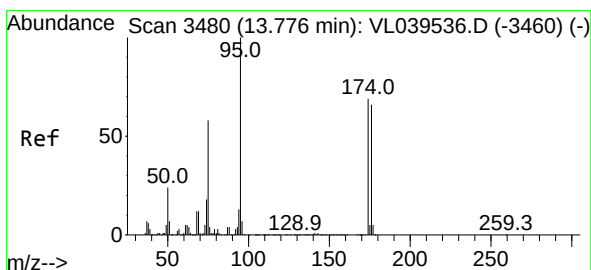
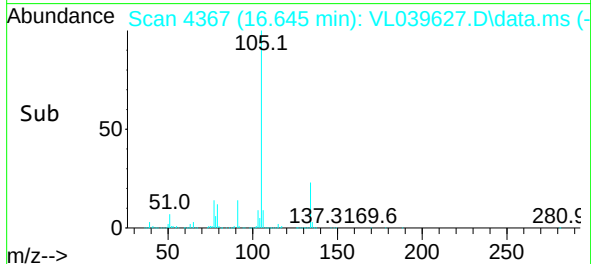
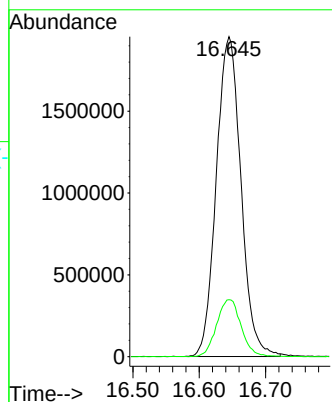
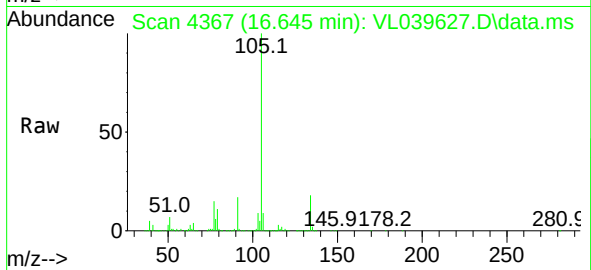
ClientSampleId :

Tgt Ion:105 Resp: 5047274

Ion Ratio Lower Upper

105 100

134 17.9 14.8 22.2



#68

1-Bromo-4-Fluorobenzene

Concen: 8.463 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.004 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

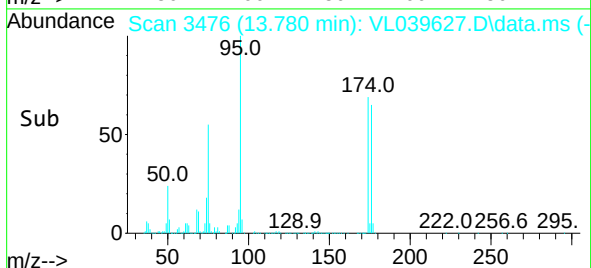
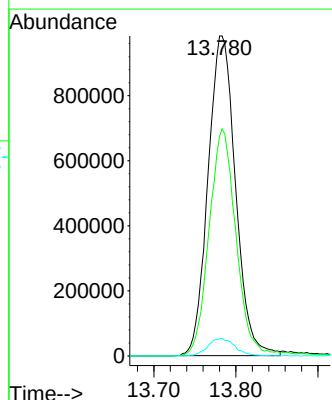
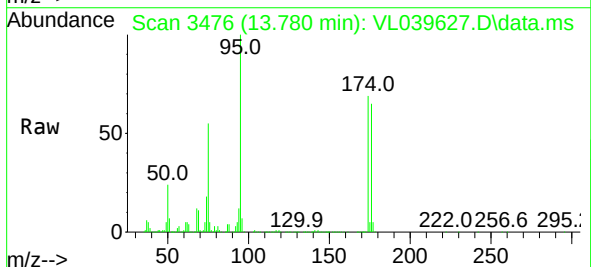
Tgt Ion: 95 Resp: 2291326

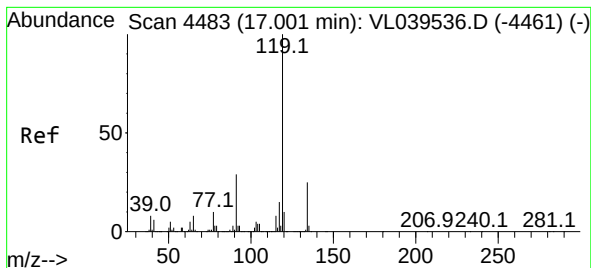
Ion Ratio Lower Upper

95 100

174 70.5 55.9 83.9

175 5.5 4.2 6.4





#69

p-Isopropyltoluene

Concen: 7.770 ppbv

RT: 17.005 min Scan# 44

Delta R.T. 0.004 min

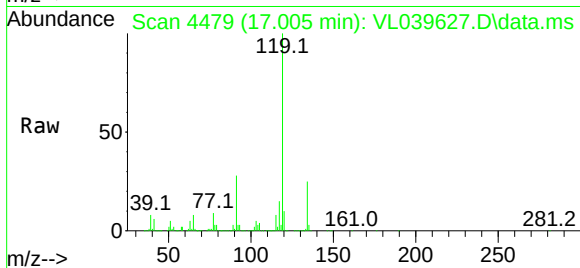
Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

ClientSampleId :



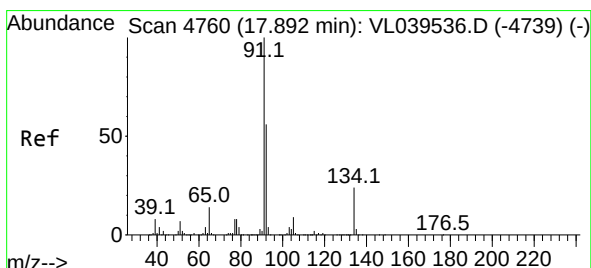
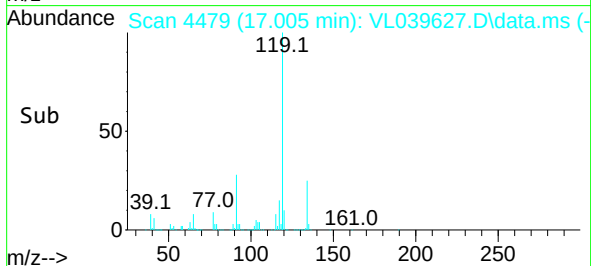
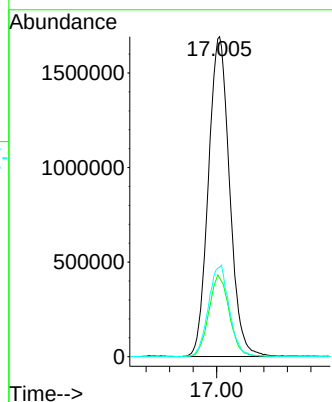
Tgt Ion:119 Resp: 4230781

Ion Ratio Lower Upper

119 100

134 24.7 20.3 30.5

91 28.4 22.9 34.3



#70

n-Butylbenzene

Concen: 7.779 ppbv

RT: 17.892 min Scan# 4755

Delta R.T. 0.001 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

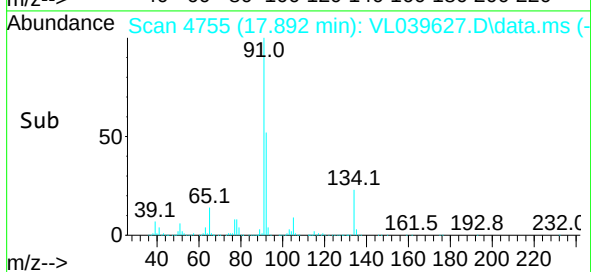
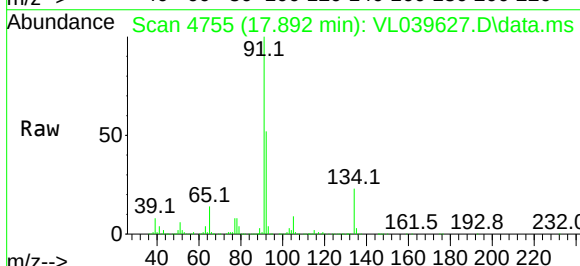
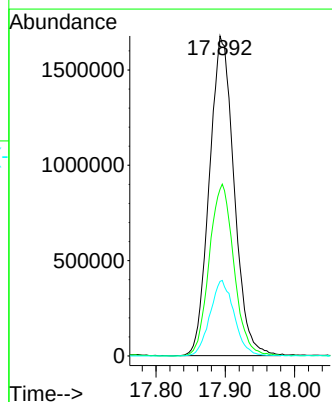
Tgt Ion: 91 Resp: 4152396

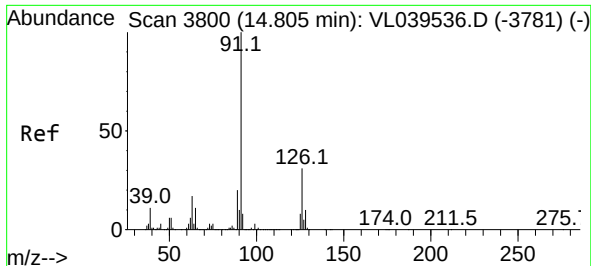
Ion Ratio Lower Upper

91 100

92 54.0 43.4 65.2

134 23.2 18.9 28.3

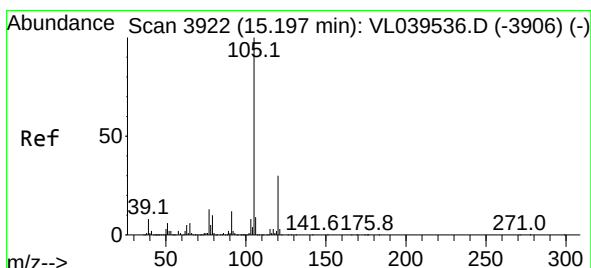
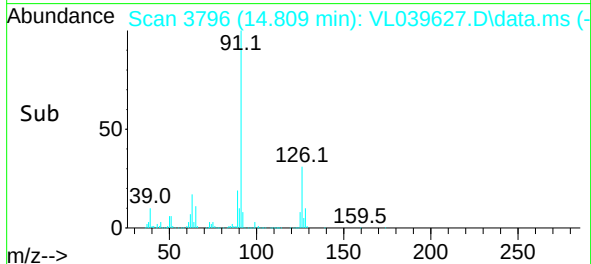
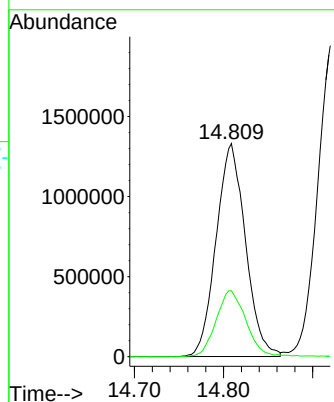
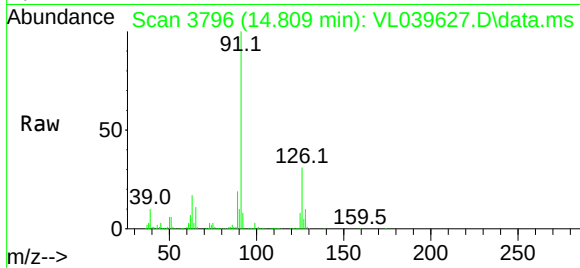




#71  
2-Chlorotoluene  
Concen: 7.866 ppbv  
RT: 14.809 min Scan# 31  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

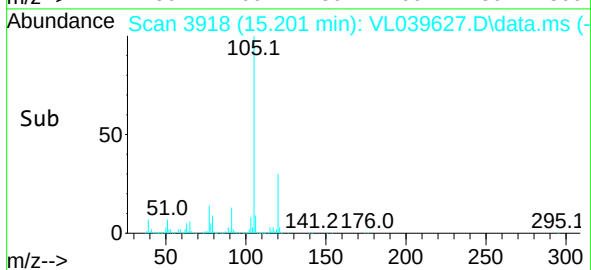
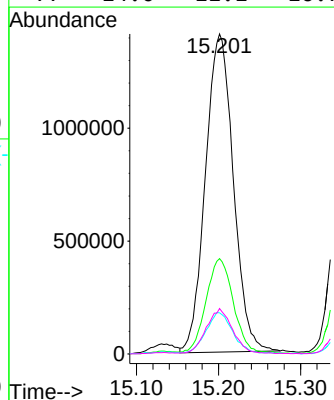
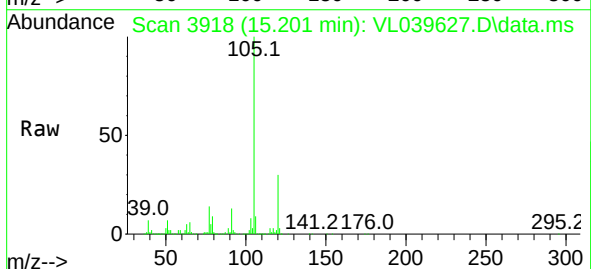
Instrument :  
MSVOA\_L  
ClientSampleId :

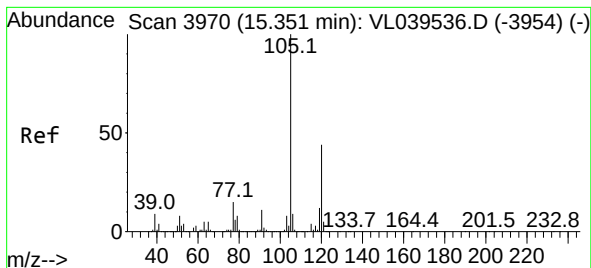
Tgt Ion: 91 Resp: 3036997  
Ion Ratio Lower Upper  
91 100  
126 32.3 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 8.210 ppbv  
RT: 15.201 min Scan# 3918  
Delta R.T. 0.004 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion:105 Resp: 3330688  
Ion Ratio Lower Upper  
105 100  
120 30.8 24.2 36.2  
91 13.7 10.2 15.4  
77 14.0 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 7.922 ppbv

RT: 15.359 min Scan# 3970

Delta R.T. 0.007 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Instrument :

MSVOA\_L

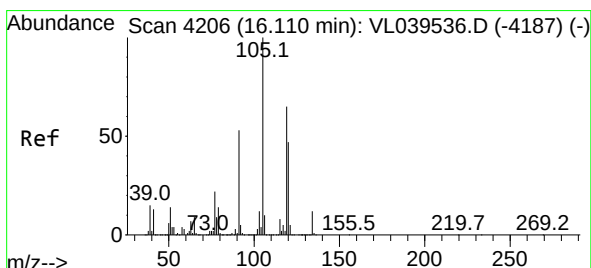
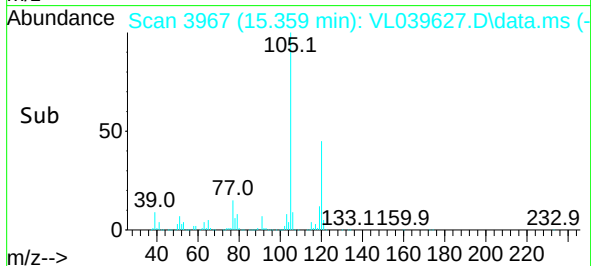
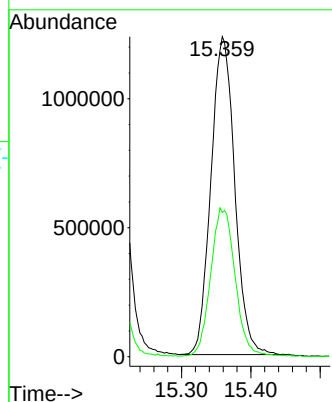
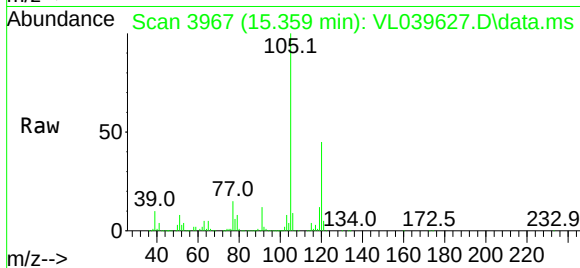
ClientSampleId :

Tgt Ion:105 Resp: 2941128

Ion Ratio Lower Upper

105 100

120 45.1 38.2 57.4



#74

1,2,4-Trimethylbenzene

Concen: 7.641 ppbv

RT: 16.117 min Scan# 4203

Delta R.T. 0.007 min

Lab File: VL039627.D

Acq: 19 Sep 2022 9:04

Tgt Ion:105 Resp: 3179826

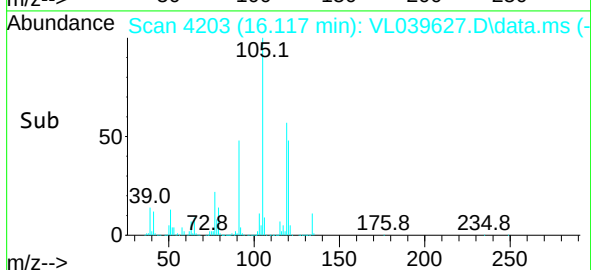
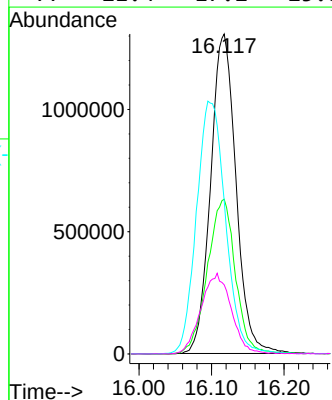
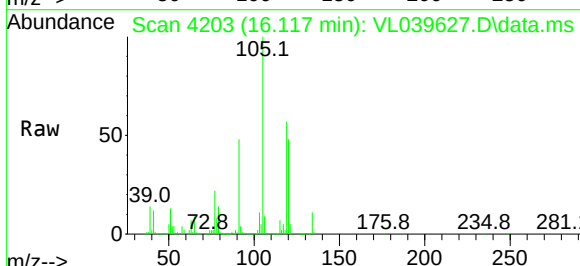
Ion Ratio Lower Upper

105 100

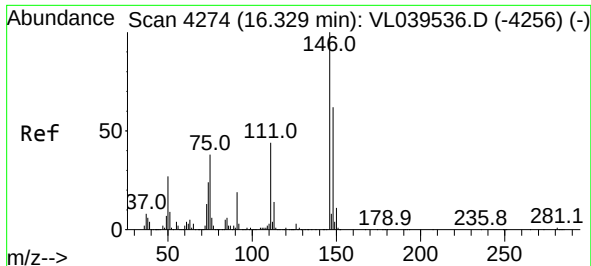
120 48.0 39.5 59.3

91 47.5 39.2 58.8

77 21.4 17.2 25.8



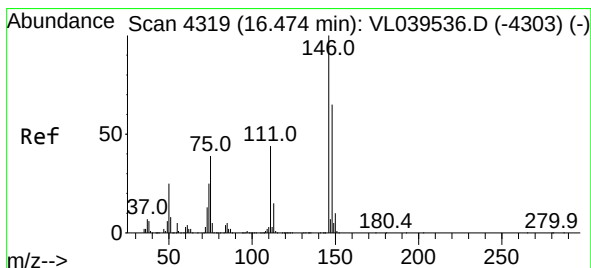
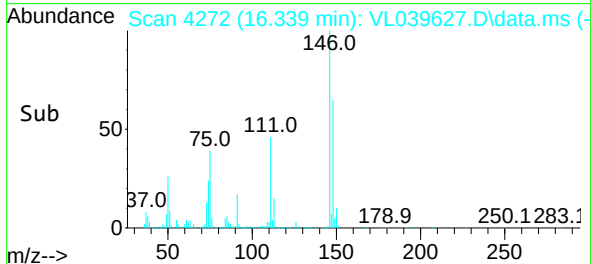
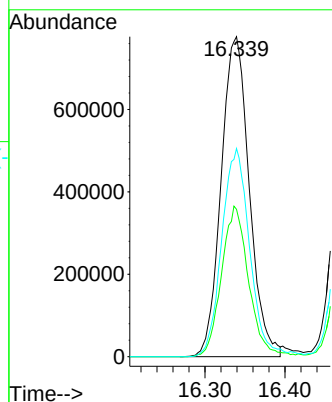
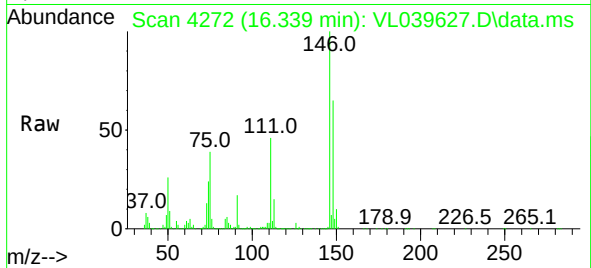




#75  
 1,3-Dichlorobenzene  
 Concen: 7.631 ppbv  
 RT: 16.339 min Scan# 41  
 Delta R.T. 0.010 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

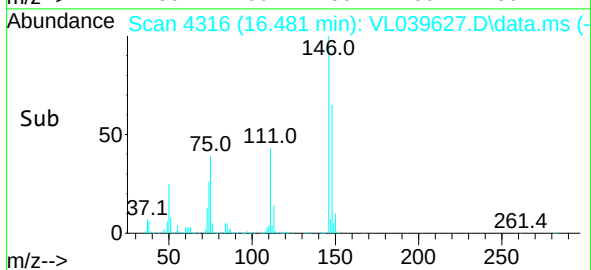
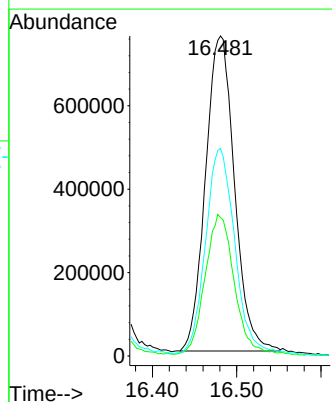
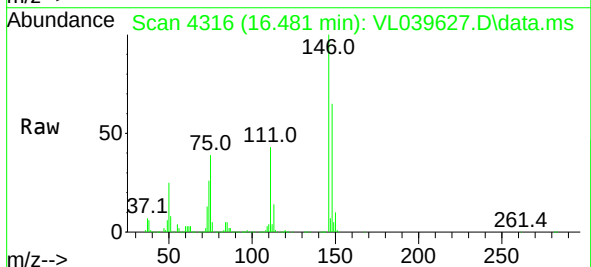
Instrument :  
 MSVOA\_L  
 ClientSampleId :

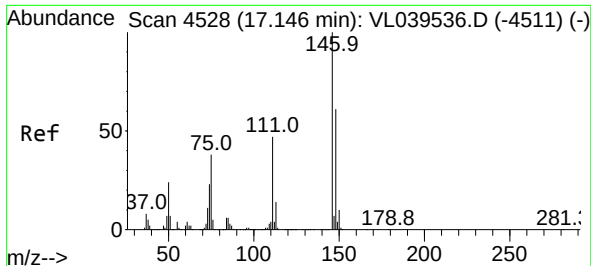
Tgt Ion:146 Resp: 1894684  
 Ion Ratio Lower Upper  
 146 100  
 111 45.5 22.9 68.7  
 148 64.9 32.1 96.5



#76  
 1,4-Dichlorobenzene  
 Concen: 7.275 ppbv  
 RT: 16.481 min Scan# 4316  
 Delta R.T. 0.007 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

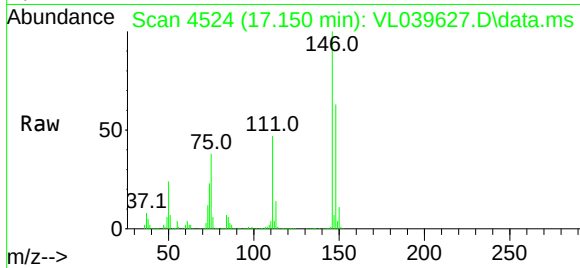
Tgt Ion:146 Resp: 1807073  
 Ion Ratio Lower Upper  
 146 100  
 111 46.3 22.9 68.8  
 148 67.8 33.6 100.8





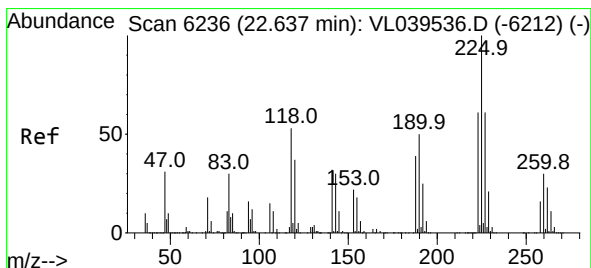
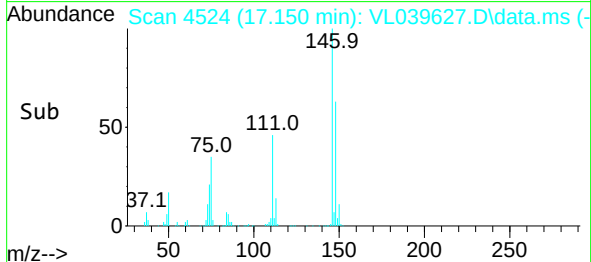
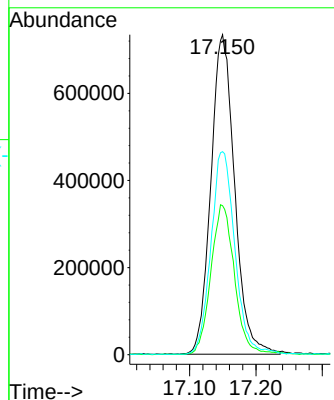
#77  
 1,2-Dichlorobenzene  
 Concen: 7.541 ppbv  
 RT: 17.150 min Scan# 4528  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion:146 Resp: 1825921

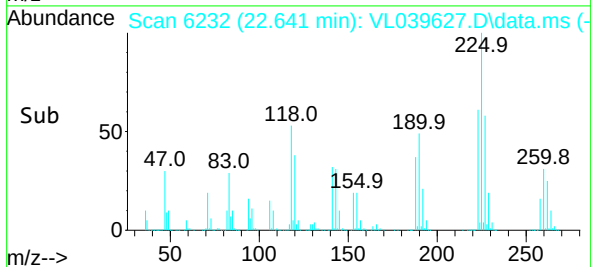
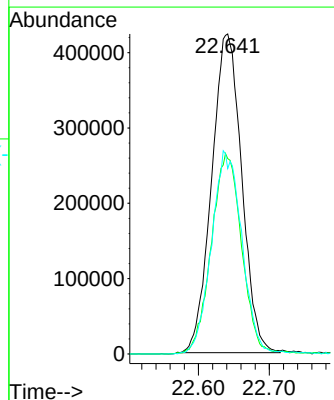
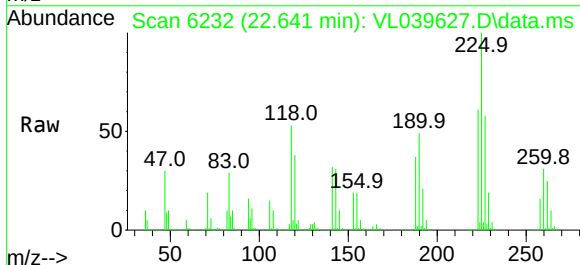
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 46.9  | 23.8  | 71.5  |
| 148 | 64.2  | 32.3  | 96.8  |

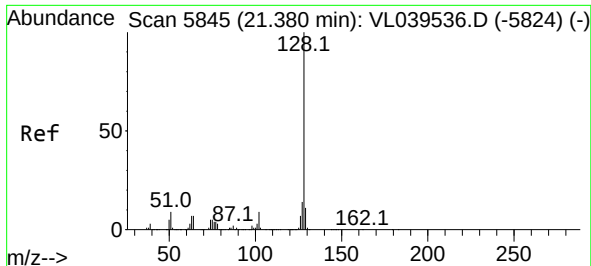


#78  
 Hexachloro-1,3-Butadiene  
 Concen: 6.730 ppbv  
 RT: 22.641 min Scan# 6232  
 Delta R.T. 0.004 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Tgt Ion:225 Resp: 1245122

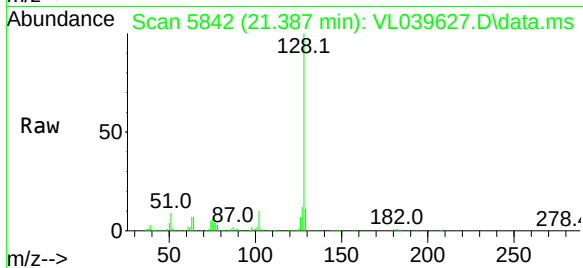
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.8  | 51.8  | 77.6  |
| 227 | 64.8  | 51.4  | 77.2  |





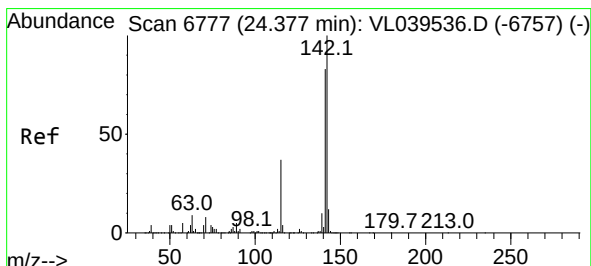
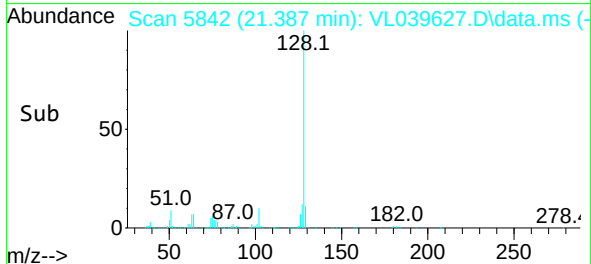
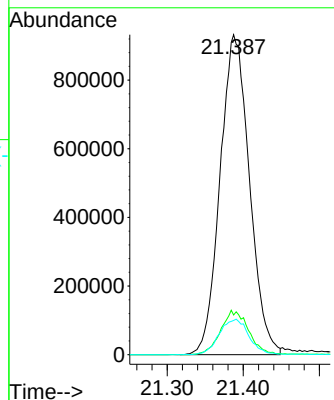
#79  
Naphthalene  
Concen: 9.114 ppbv  
RT: 21.387 min Scan# 5842  
Delta R.T. 0.007 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Instrument :  
MSVOA\_L  
ClientSampleId :



Tgt Ion:128 Resp: 2502981

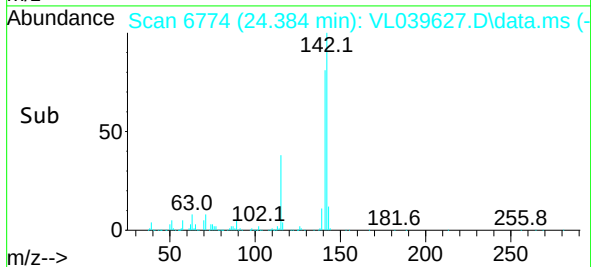
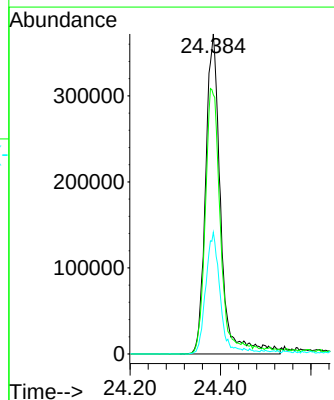
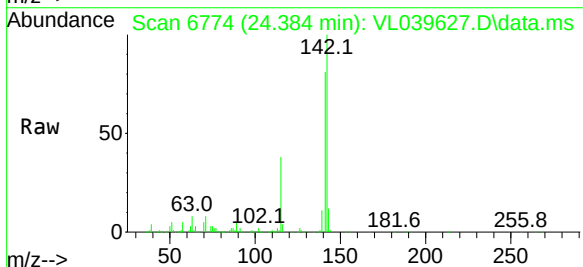
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.3  | 10.6  | 15.8  |
| 129 | 10.7  | 8.8   | 13.2  |

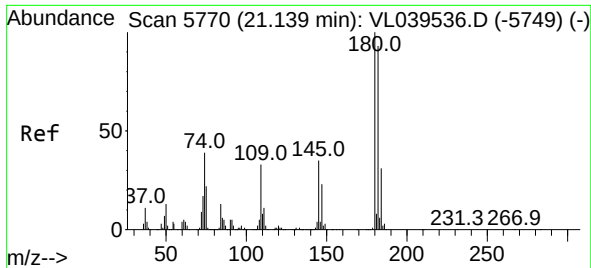


#80  
Naphthalene,2-methyl-  
Concen: 8.355 ppbv  
RT: 24.384 min Scan# 6774  
Delta R.T. 0.007 min  
Lab File: VL039627.D  
Acq: 19 Sep 2022 9:04

Tgt Ion:142 Resp: 862758

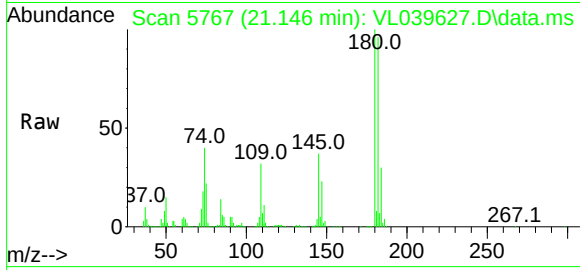
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 86.5  | 68.9  | 103.3 |
| 115 | 36.8  | 30.0  | 45.0  |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 7.840 ppbv  
 RT: 21.146 min Scan# 51  
 Delta R.T. 0.007 min  
 Lab File: VL039627.D  
 Acq: 19 Sep 2022 9:04

Instrument :  
 MSVOA\_L  
 ClientSampleId :



Tgt Ion:180 Resp: 1414178  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 98.8  | 77.1  | 115.7 |
| 184 | 30.8  | 24.3  | 36.5  |

