

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092222\  
 Data File : VL039670.D  
 Acq On : 22 Sep 2022 17:41  
 Operator : SY/AP  
 Sample : VL0922ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

Quant Time: Sep 23 06:35:37 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   | 5.230  | 49   | 1029167  | 10.000 | ppbv  | 0.02     |
| 33) 1,4-Difluorobenzene | 6.687  | 114  | 2682674  | 10.000 | ppbv  | 0.03     |
| 55) Chlorobenzene-d5    | 11.500 | 117  | 3236654  | 10.000 | ppbv  | 0.03     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.806 | 95    | 2022699  | 8.372    | ppbv | 0.03    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 83.700% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.767 | 85  | 1077961 | 9.035  | ppbv   | 97     |
| 3) Chlorodifluoromethane      | 2.713 | 51  | 1090177 | 8.926  | ppbv   | 97     |
| 4) Chloromethane              | 2.851 | 50  | 584477  | 7.930  | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.957 | 62  | 542852  | 8.837  | ppbv   | 100    |
| 6) Bromomethane               | 3.156 | 94  | 218129  | 9.628  | ppbv   | 86     |
| 7) Chloroethane               | 3.234 | 64  | 199902  | 8.898  | ppbv   | 95     |
| 8) Dichlorotetrafluoroethane  | 2.893 | 85  | 1362361 | 9.519  | ppbv   | 96     |
| 9) Propene                    | 2.732 | 41  | 474267  | 8.502  | ppbv   | 99     |
| 10) Heptane                   | 7.613 | 43  | 1260337 | 9.683  | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 3.600 | 101 | 1359377 | 9.200  | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.105 | 101 | 1013334 | 9.080  | ppbv   | 98     |
| 13) Ethanol                   | 3.282 | 45  | 19990   | 4.703  | ppbv   | 95     |
| 14) Bromoethene               | 3.404 | 108 | 399027  | 8.956  | ppbv   | 97     |
| 15) Acetone                   | 3.507 | 43  | 985603  | 8.606  | ppbv   | 99     |
| 16) 1,3-Butadiene             | 3.021 | 39  | 550889  | 9.482  | ppbv   | 96     |
| 17) tert-Butyl alcohol        | 3.915 | 59  | 992323  | 9.656  | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 3.918 | 96  | 449481  | 9.154  | ppbv   | 98     |
| 19) Isopropyl Alcohol         | 3.610 | 45  | 486371  | 8.332  | ppbv # | 94     |
| 20) Methylene Chloride        | 3.970 | 84  | 367778  | 6.946  | ppbv   | 97     |
| 21) Allyl Chloride            | 4.034 | 41  | 664588  | 8.522  | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 4.484 | 96  | 419999  | 8.646  | ppbv   | 96     |
| 23) Vinyl Acetate             | 4.664 | 43  | 282398  | 5.455  | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 4.600 | 63  | 938296  | 9.101  | ppbv   | 98     |
| 25) Ethyl Acetate             | 5.240 | 43  | 2533390 | 10.145 | ppbv   | 99     |
| 26) Hexane                    | 5.250 | 57  | 906818  | 8.557  | ppbv   | 83     |
| 27) Carbon Disulfide          | 4.163 | 76  | 1030928 | 9.257  | ppbv   | 97     |
| 28) Methyl tert-Butyl Ether   | 4.623 | 73  | 755048  | 8.481  | ppbv   | 98     |
| 29) Chloroform                | 5.311 | 83  | 1435064 | 9.381  | ppbv   | 97     |
| 30) Cyclohexane               | 6.635 | 84  | 785733  | 9.575  | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.115 | 61  | 851937  | 8.889  | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 6.041 | 97  | 1390880 | 10.043 | ppbv   | 99     |
| 34) 2-Butanone                | 4.825 | 43  | 1267435 | 9.619  | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 6.529 | 117 | 1450353 | 10.184 | ppbv   | 97     |
| 36) Benzene                   | 6.404 | 78  | 1897208 | 9.250  | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.844 | 62  | 1047052 | 9.380  | ppbv   | 100    |
| 38) Trichloroethene           | 7.323 | 130 | 872369  | 7.870  | ppbv   | 99     |
| 39) 1,2-Dichloropropane       | 7.114 | 63  | 296319  | 3.741  | ppbv   | 97     |
| 40) 1,4-Dioxane               | 7.320 | 88  | 285049  | 8.814  | ppbv   | 91     |
| 41) Tetrahydrofuran           | 5.594 | 42  | 769349  | 9.517  | ppbv   | 96     |
| 42) Bromodichloromethane      | 7.282 | 83  | 1501228 | 9.669  | ppbv   | 97     |
| 43) Methyl Methacrylate       | 7.510 | 69  | 780062  | 10.434 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 7.362 | 57  | 3270311 | 9.251  | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.745 | 75  | 534276  | 8.457  | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092222\  
 Data File : VL039670.D  
 Acq On : 22 Sep 2022 17:41  
 Operator : SY/AP  
 Sample : VL0922ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

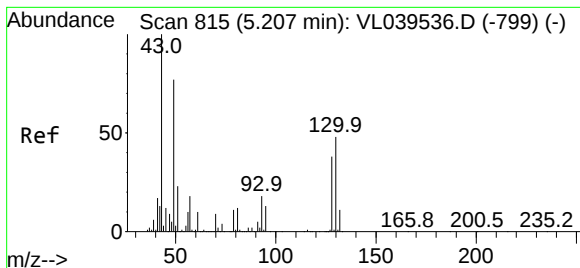
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

Quant Time: Sep 23 06:35:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.175  | 75   | 822700   | 9.147  | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 8.934  | 97   | 806835   | 9.320  | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.741  | 129  | 1345590  | 10.322 | ppbv   | 100      |
| 49) Bromoform                 | 12.439 | 173  | 1158846  | 10.748 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 8.217  | 43   | 2069140  | 9.993  | ppbv   | 97       |
| 51) 2-Hexanone                | 9.587  | 43   | 1557019  | 10.158 | ppbv # | 97       |
| 52) Tetrachloroethene         | 10.648 | 164  | 724117   | 9.254  | ppbv   | 98       |
| 53) Toluene                   | 9.256  | 91   | 2237967  | 9.811  | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 10.037 | 107  | 1026906  | 11.089 | ppbv   | 96       |
| 56) 1,1,1,2-Tetrachloroethane | 11.539 | 131  | 1060071  | 8.105  | ppbv   | 96       |
| 57) Chlorobenzene             | 11.561 | 112  | 1724156  | 7.244  | ppbv   | 99       |
| 58) Ethyl Benzene             | 12.121 | 91   | 3026664  | 8.110  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.407 | 91   | 2597422  | 7.821  | ppbv # | 31       |
| 60) o-Xylene                  | 13.092 | 91   | 2528412  | 7.972  | ppbv   | 99       |
| 61) Styrene                   | 12.934 | 104  | 1418014  | 8.302  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.063 | 105  | 3879690  | 8.129  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.079 | 83   | 1538090  | 12.158 | ppbv   | 99       |
| 64) n-propylbenzene           | 14.950 | 120  | 1001516  | 8.195  | ppbv   | 95       |
| 65) tert-Butylbenzene         | 16.124 | 119  | 3496684  | 8.293  | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.365 | 91   | 88780    | 2.645  | ppbv # | 67       |
| 67) sec-Butylbenzene          | 16.670 | 105  | 4897441  | 8.281  | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 17.030 | 119  | 4152994  | 8.546  | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.921 | 91   | 4136191  | 8.683  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.831 | 91   | 2859874  | 8.300  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.227 | 105  | 3015109  | 8.328  | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.384 | 105  | 2730555  | 8.242  | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.140 | 105  | 2928356  | 7.885  | ppbv   | 95       |
| 75) 1,3-Dichlorobenzene       | 16.365 | 146  | 1763043  | 7.956  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.506 | 146  | 1738017  | 7.841  | ppbv   | 97       |
| 77) 1,2-Dichlorobenzene       | 17.175 | 146  | 1748819  | 8.093  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.664 | 225  | 1282421  | 7.767  | ppbv   | 100      |
| 79) Naphthalene               | 21.416 | 128  | 2405519  | 9.815  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.406 | 142  | 484526   | 5.258  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.175 | 180  | 1356415  | 8.426  | ppbv   | 99       |

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

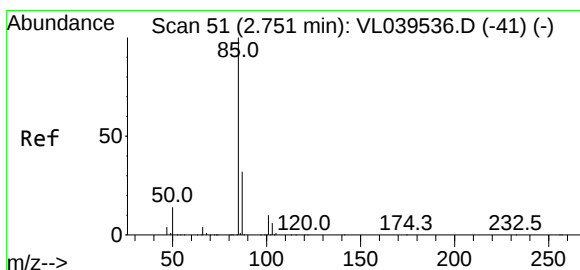
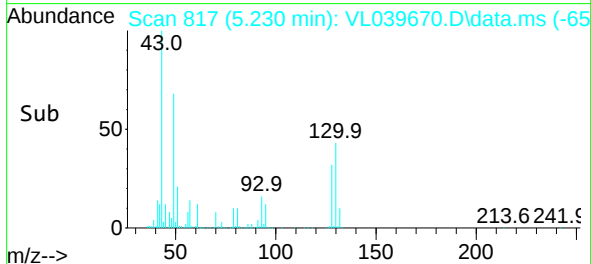
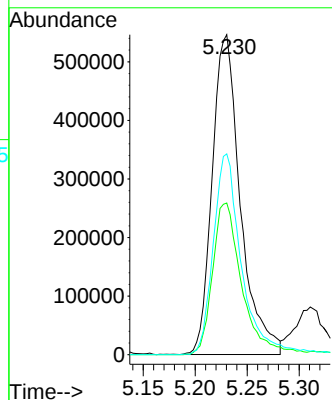
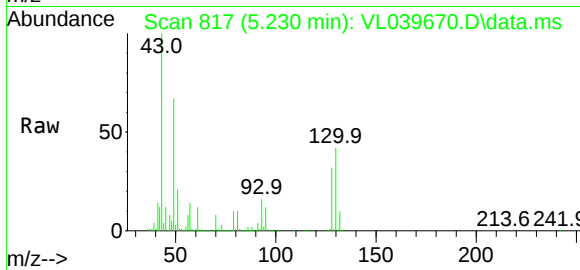




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.230 min Scan# 81  
 Delta R.T. 0.023 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

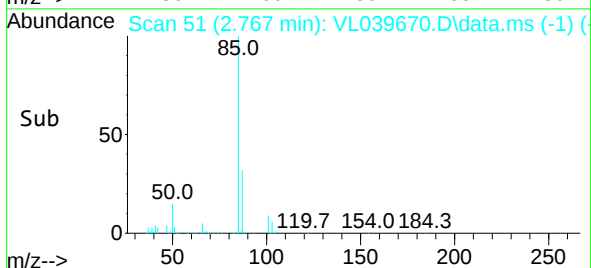
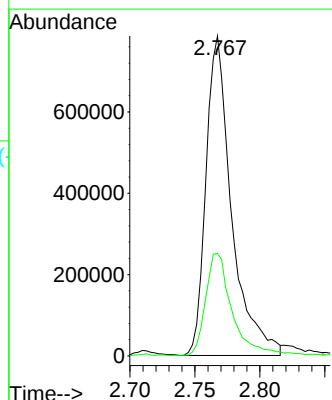
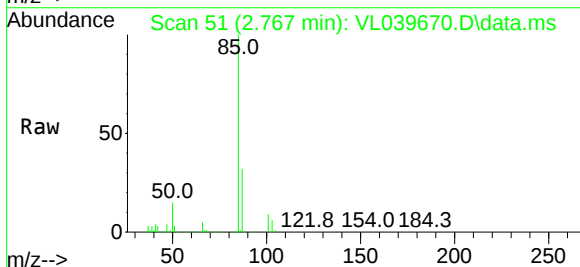
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

Tgt Ion: 49 Resp: 1029167  
 Ion Ratio Lower Upper  
 49 100  
 128 50.8 26.7 80.0  
 130 64.6 34.3 102.8



#2  
 Dichlorodifluoromethane  
 Concen: 9.035 ppbv  
 RT: 2.767 min Scan# 51  
 Delta R.T. 0.017 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 85 Resp: 1077961  
 Ion Ratio Lower Upper  
 85 100  
 87 31.8 26.7 40.1

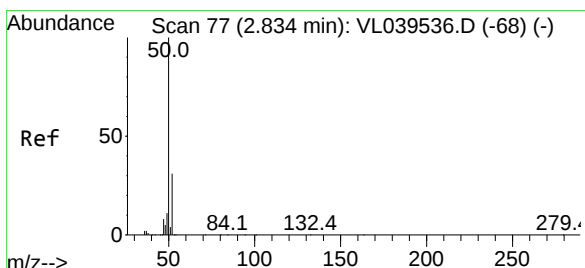
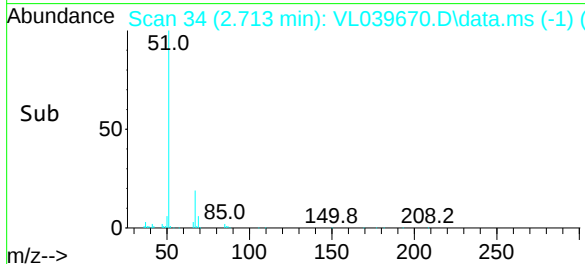
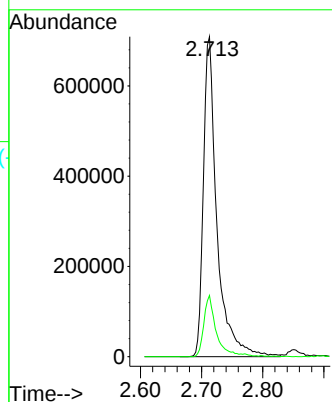
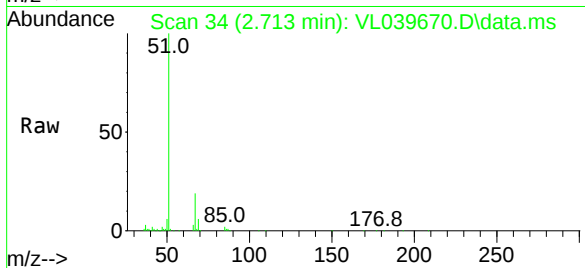




#3  
Chlorodifluoromethane  
Concen: 8.926 ppbv  
RT: 2.713 min Scan# 34  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

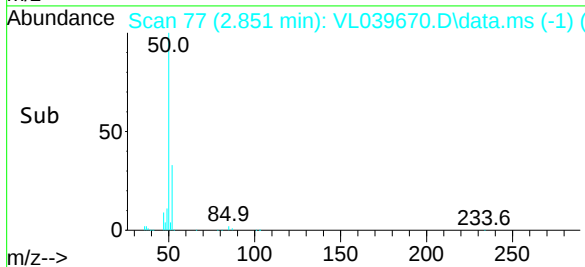
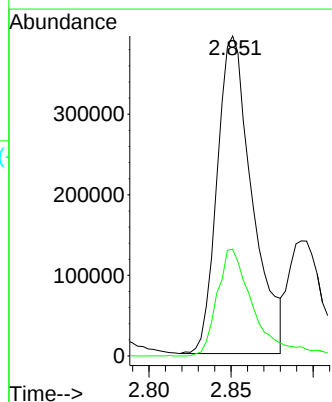
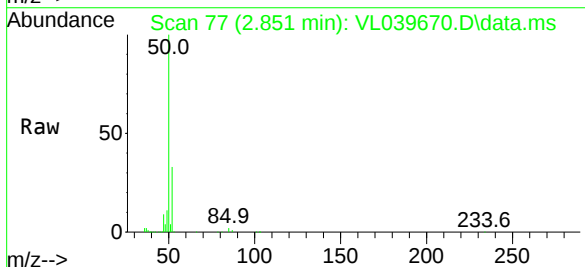
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ClientSampleId :  
VL0922ABS01

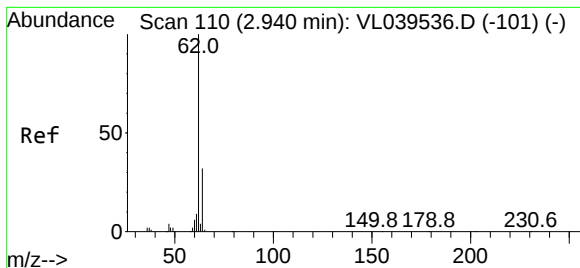
Tgt Ion: 51 Resp: 1090177  
Ion Ratio Lower Upper  
51 100  
67 18.1 15.7 23.5



#4  
Chloromethane  
Concen: 7.930 ppbv  
RT: 2.851 min Scan# 77  
Delta R.T. 0.017 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 50 Resp: 584477  
Ion Ratio Lower Upper  
50 100  
52 33.6 26.5 39.7

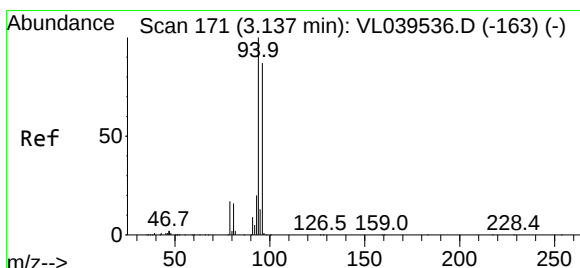
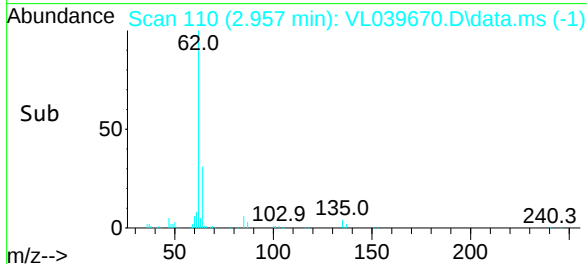
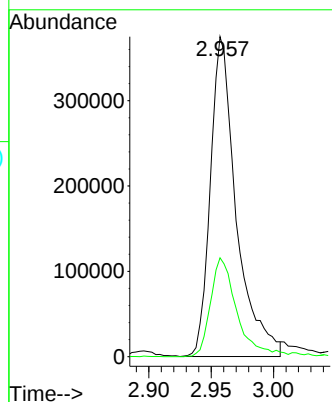
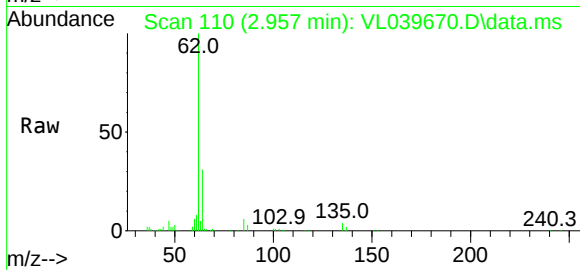




#5  
 Vinyl Chloride  
 Concen: 8.837 ppbv  
 RT: 2.957 min Scan# 110  
 Delta R.T. 0.017 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

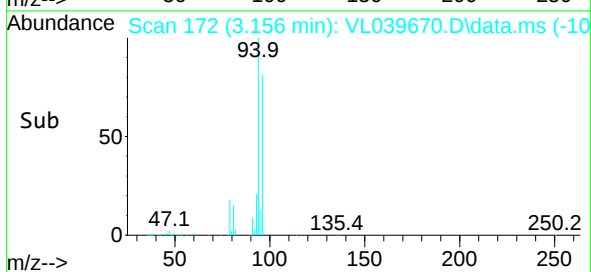
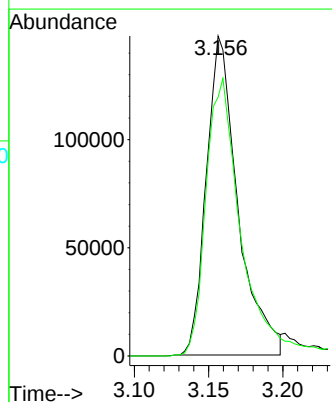
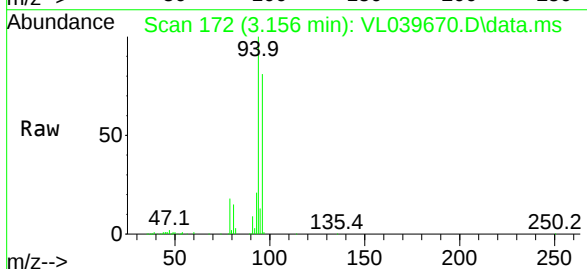
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

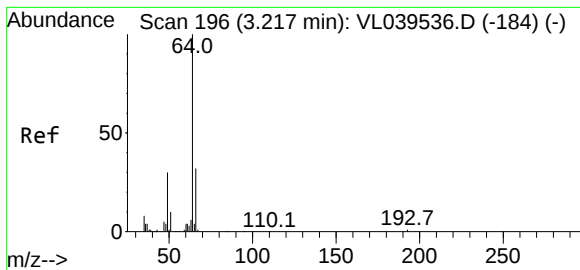
Tgt Ion: 62 Resp: 542852  
 Ion Ratio Lower Upper  
 62 100  
 64 30.9 24.6 36.8



#6  
 Bromomethane  
 Concen: 9.628 ppbv  
 RT: 3.156 min Scan# 172  
 Delta R.T. 0.020 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 94 Resp: 218129  
 Ion Ratio Lower Upper  
 94 100  
 96 80.8 75.6 113.4

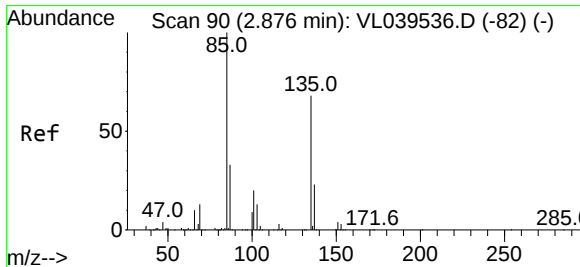
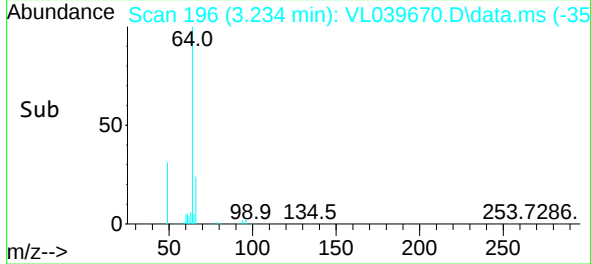
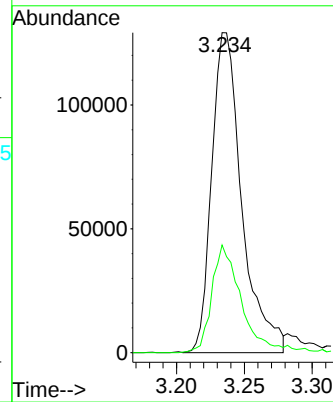
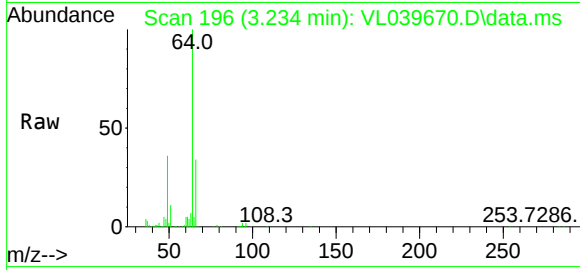




#7  
Chloroethane  
Concen: 8.898 ppbv  
RT: 3.234 min Scan# 196  
Delta R.T. 0.017 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

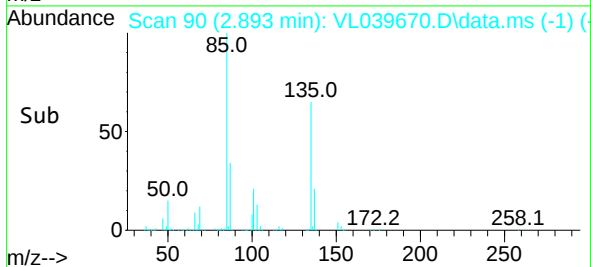
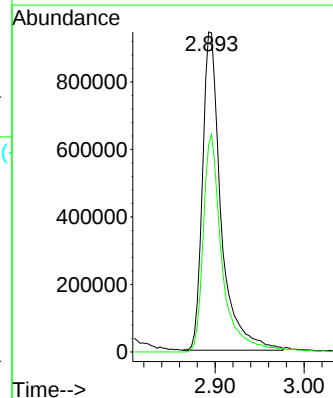
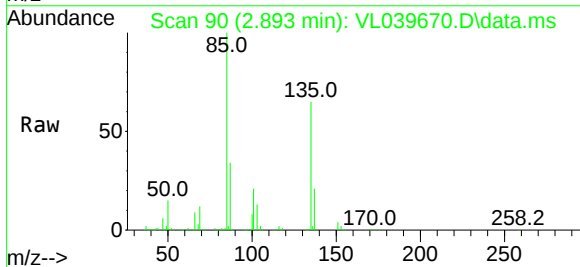
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

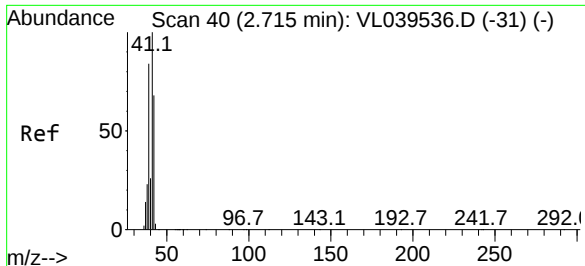
Tgt Ion: 64 Resp: 199902  
Ion Ratio Lower Upper  
64 100  
66 33.7 24.7 37.1



#8  
Dichlorotetrafluoroethane  
Concen: 9.519 ppbv  
RT: 2.893 min Scan# 90  
Delta R.T. 0.017 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 85 Resp: 1362361  
Ion Ratio Lower Upper  
85 100  
135 70.3 59.0 88.4





#9

Propene

Concen: 8.502 ppbv

RT: 2.732 min Scan# 40

Delta R.T. 0.017 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

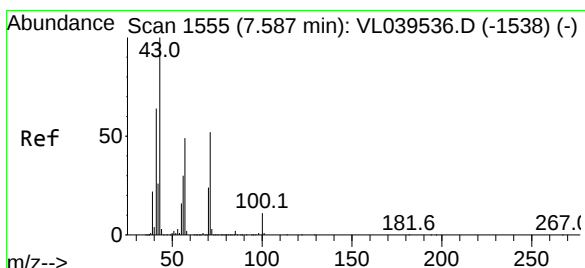
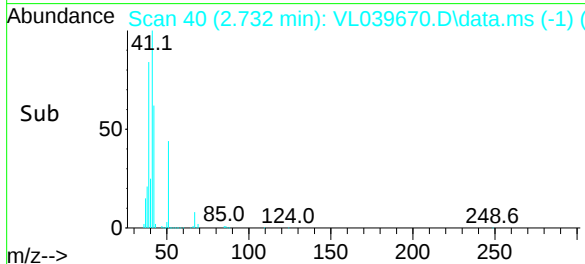
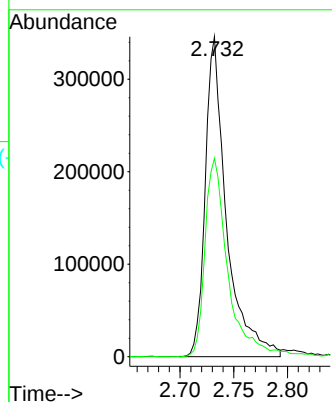
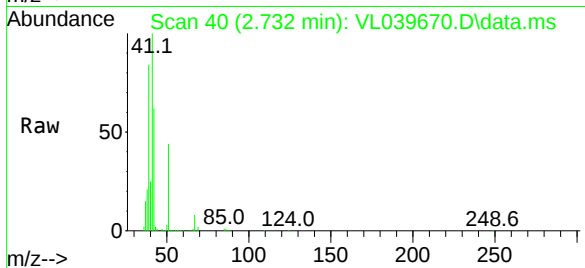
VL0922ABS01

Tgt Ion: 41 Resp: 474267

Ion Ratio Lower Upper

41 100

42 68.2 55.2 82.8



#10

Heptane

Concen: 9.683 ppbv

RT: 7.613 min Scan# 1558

Delta R.T. 0.026 min

Lab File: VL039670.D

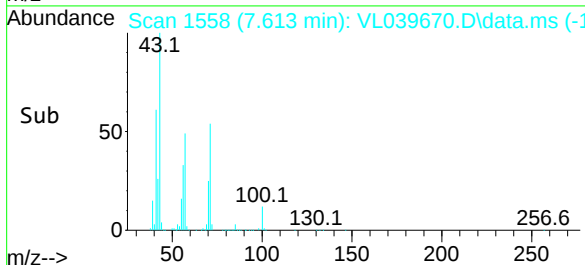
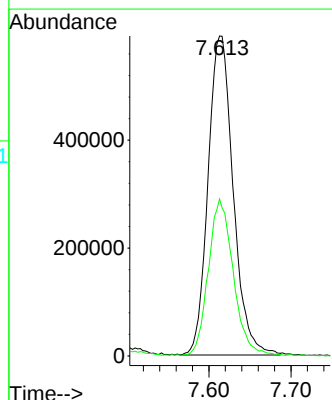
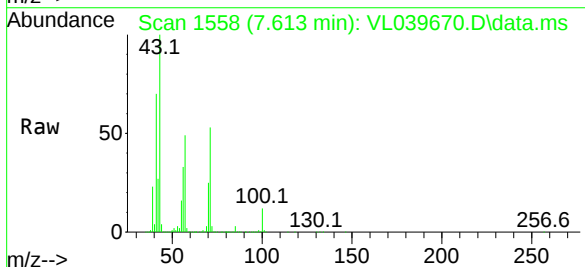
Acq: 22 Sep 2022 17:41

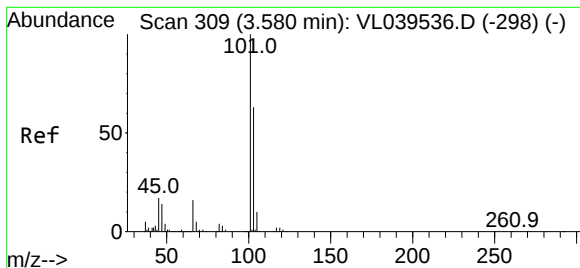
Tgt Ion: 43 Resp: 1260337

Ion Ratio Lower Upper

43 100

57 49.3 40.5 60.7

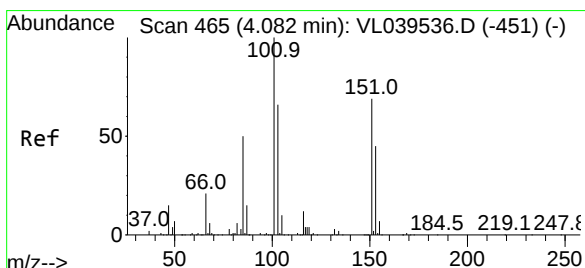
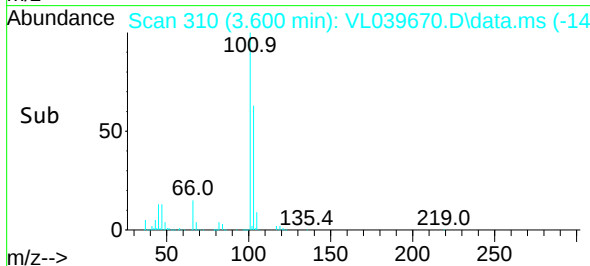
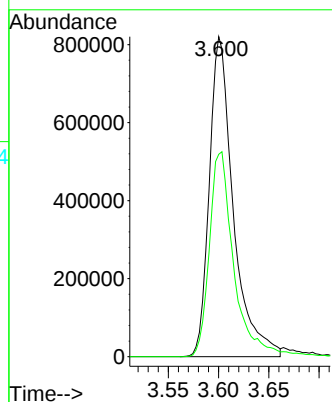
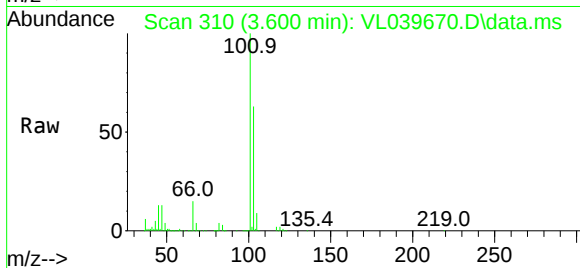




#11  
Trichlorofluoromethane  
Concen: 9.200 ppbv  
RT: 3.600 min Scan# 310  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

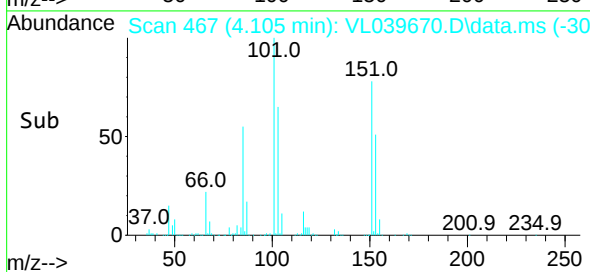
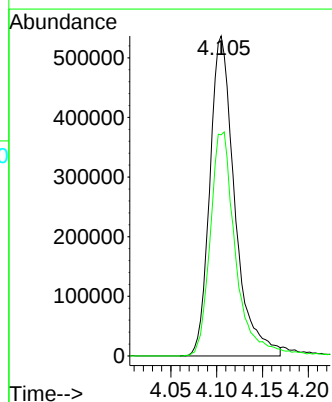
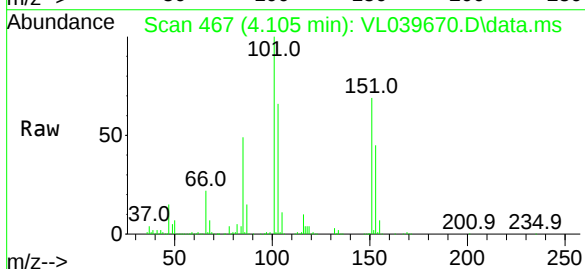
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

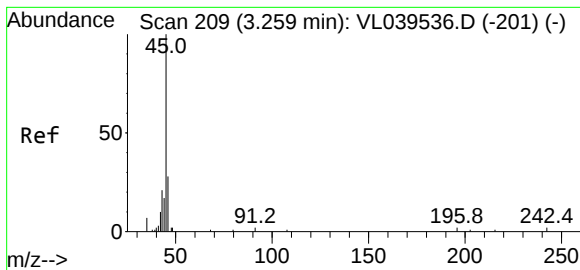
Tgt Ion:101 Resp: 1359377  
Ion Ratio Lower Upper  
101 100  
103 63.2 51.8 77.8



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.080 ppbv  
RT: 4.105 min Scan# 467  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:101 Resp: 1013334  
Ion Ratio Lower Upper  
101 100  
151 72.0 58.9 88.3

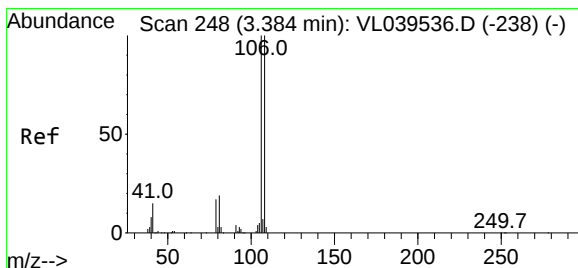
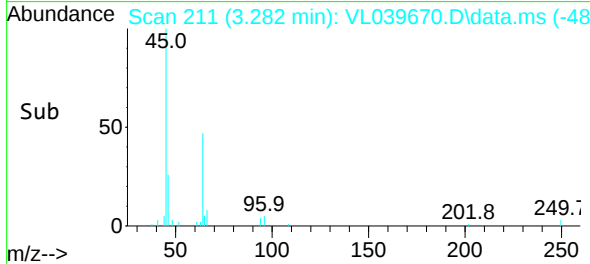
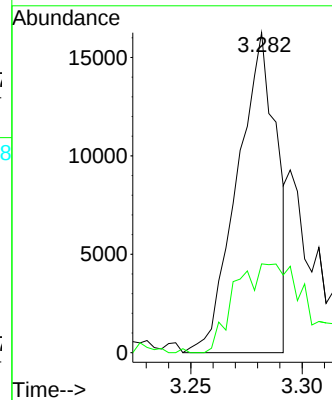
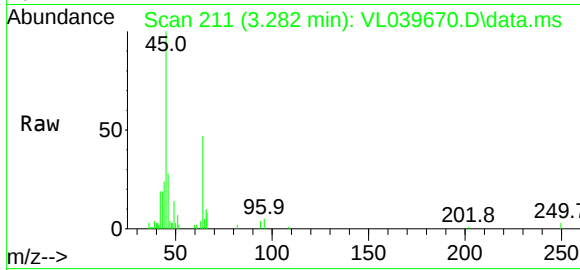




#13  
Ethanol  
Concen: 4.703 ppbv  
RT: 3.282 min Scan# 211  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

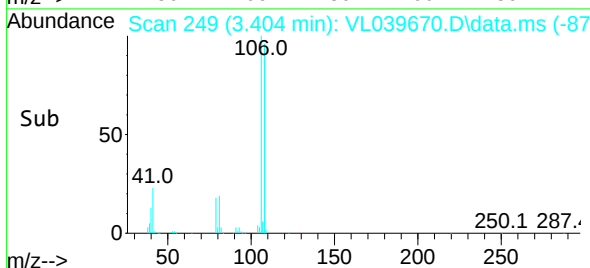
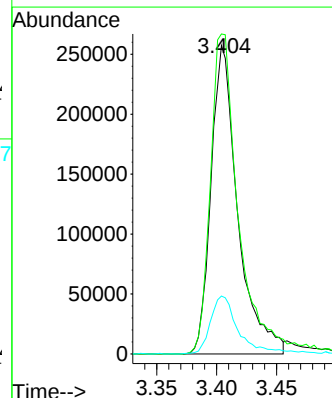
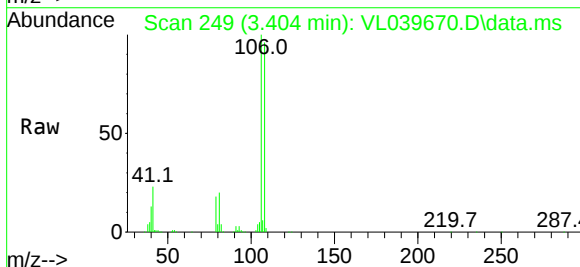
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

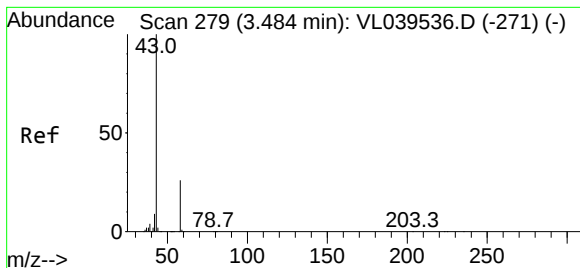
Tgt Ion: 45 Resp: 19990  
Ion Ratio Lower Upper  
45 100  
46 61.0 22.8 91.2



#14  
Bromoethene  
Concen: 8.956 ppbv  
RT: 3.404 min Scan# 249  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 108 Resp: 399027  
Ion Ratio Lower Upper  
108 100  
106 112.0 87.1 130.7  
79 20.4 14.6 22.0





#15

Acetone

Concen: 8.606 ppbv

RT: 3.507 min Scan# 21

Delta R.T. 0.023 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

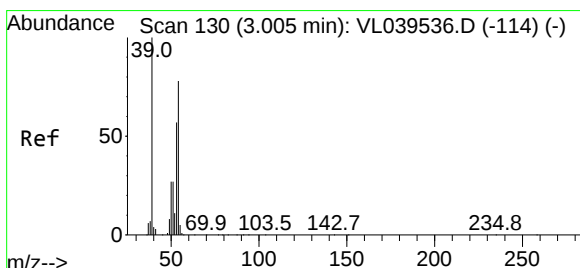
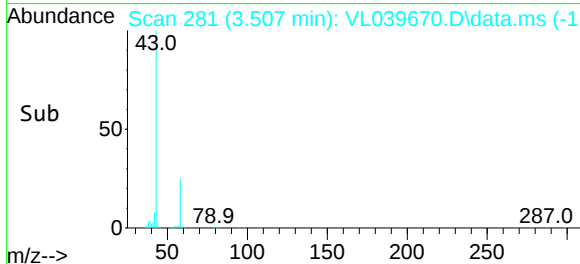
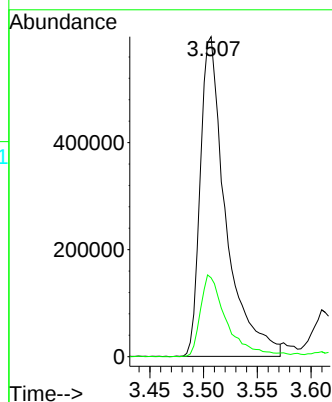
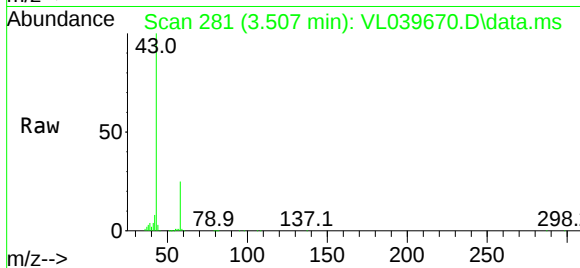
VL0922ABS01

Tgt Ion: 43 Resp: 985603

Ion Ratio Lower Upper

43 100

58 26.8 21.0 31.6



#16

1,3-Butadiene

Concen: 9.482 ppbv

RT: 3.021 min Scan# 130

Delta R.T. 0.017 min

Lab File: VL039670.D

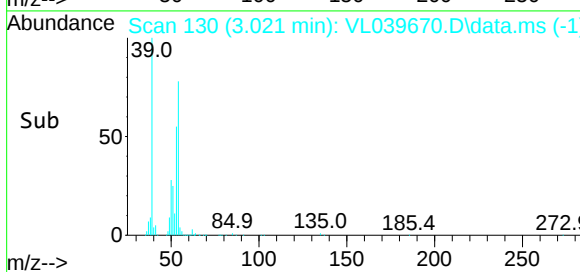
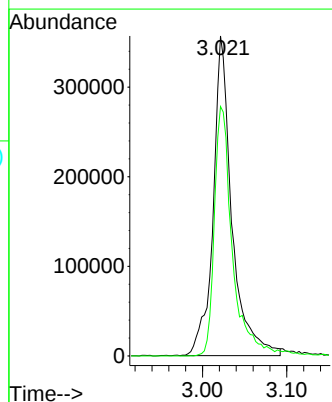
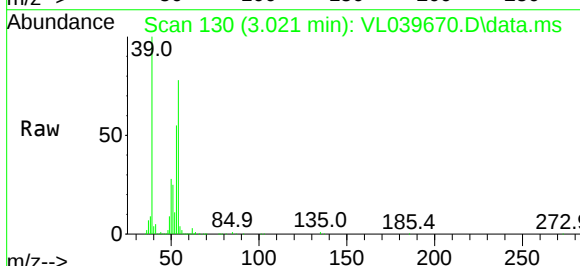
Acq: 22 Sep 2022 17:41

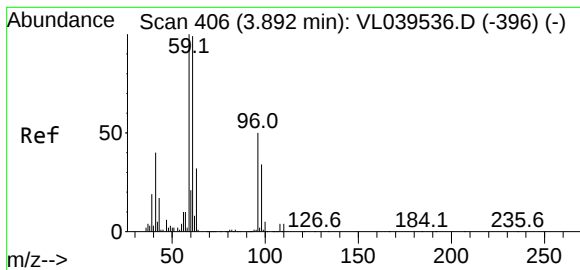
Tgt Ion: 39 Resp: 550889

Ion Ratio Lower Upper

39 100

54 76.3 63.7 95.5

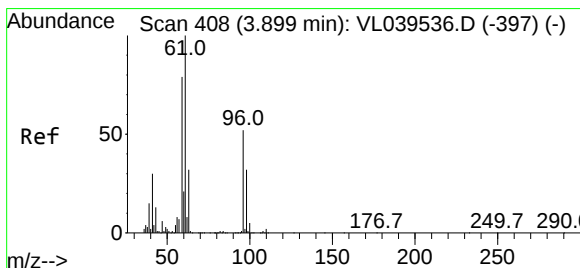
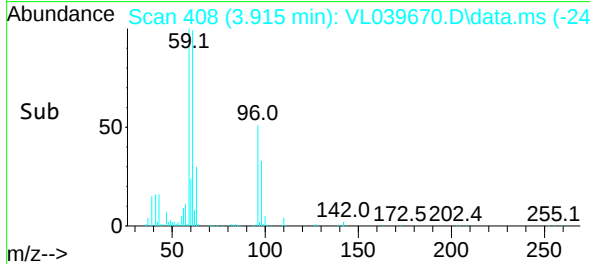
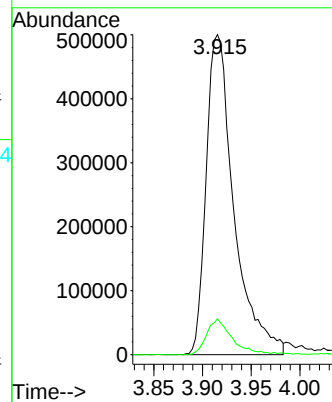
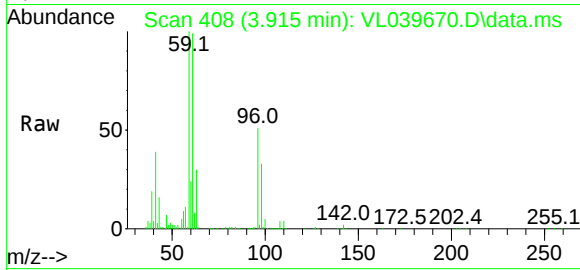




#17  
tert-Butyl alcohol  
Concen: 9.656 ppbv  
RT: 3.915 min Scan# 408  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

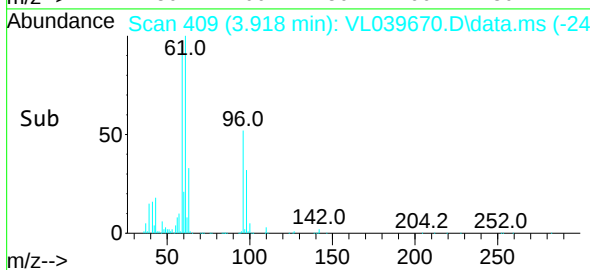
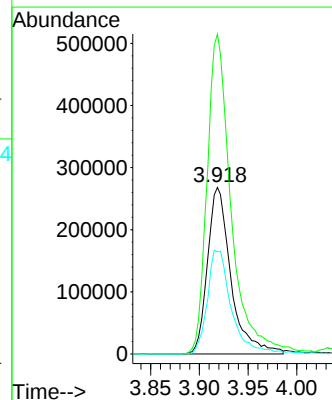
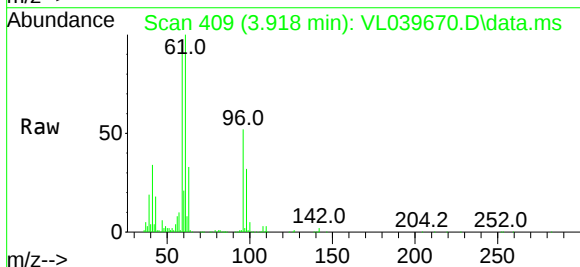
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

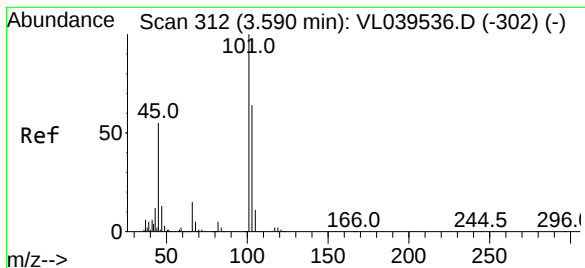
Tgt Ion: 59 Resp: 992323  
Ion Ratio Lower Upper  
59 100  
57 10.7 8.7 13.1



#18  
1,1-Dichloroethene  
Concen: 9.154 ppbv  
RT: 3.918 min Scan# 409  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 96 Resp: 449481  
Ion Ratio Lower Upper  
96 100  
61 191.9 152.2 228.4  
98 61.3 51.8 77.6

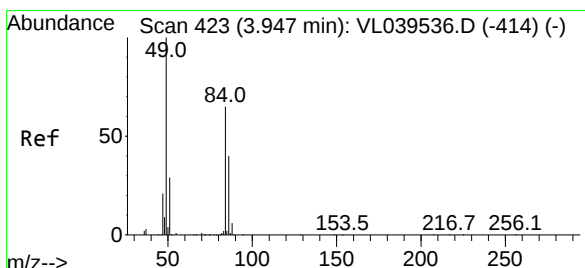
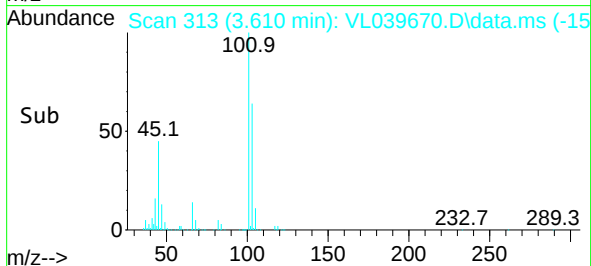
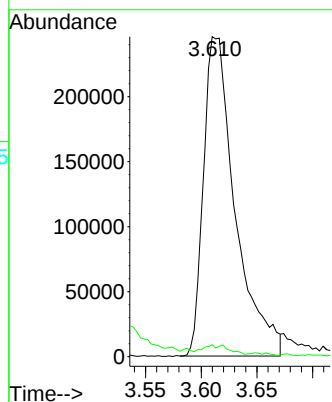
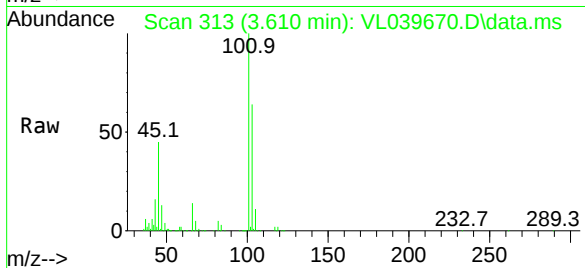




#19  
Isopropyl Alcohol  
Concen: 8.332 ppbv  
RT: 3.610 min Scan# 312  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

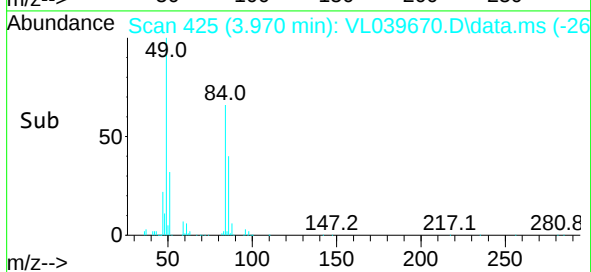
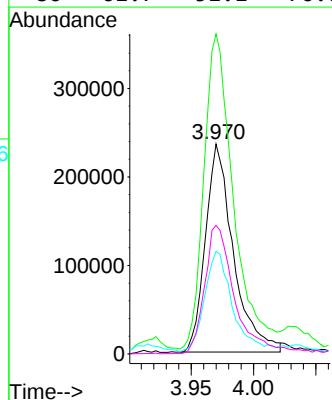
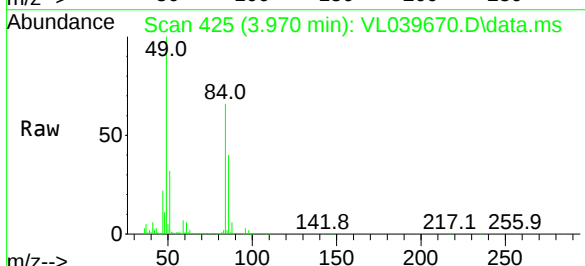
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

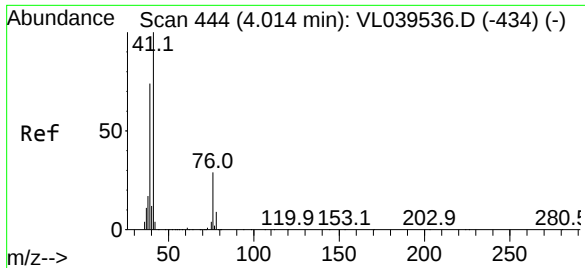
Tgt Ion: 45 Resp: 486371  
Ion Ratio Lower Upper  
45 100  
58 5.9 3.2 4.8#



#20  
Methylene Chloride  
Concen: 6.946 ppbv  
RT: 3.970 min Scan# 425  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 84 Resp: 367778  
Ion Ratio Lower Upper  
84 100  
49 151.4 123.1 184.7  
51 48.3 34.4 51.6  
86 61.7 51.1 76.7

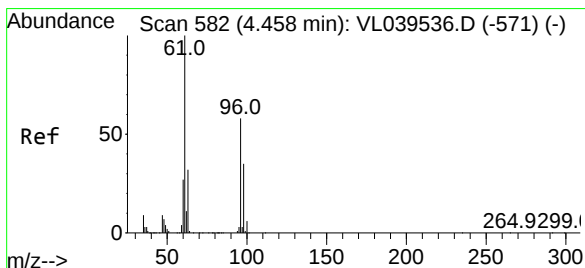
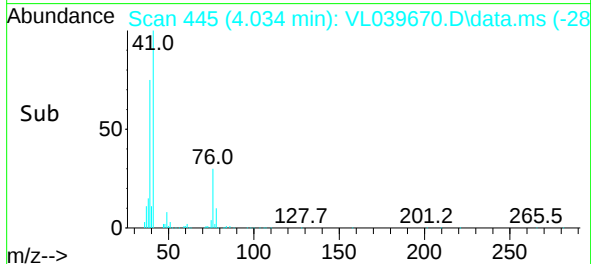
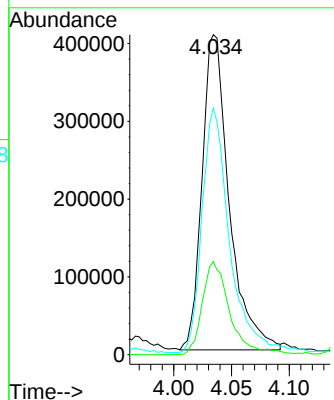
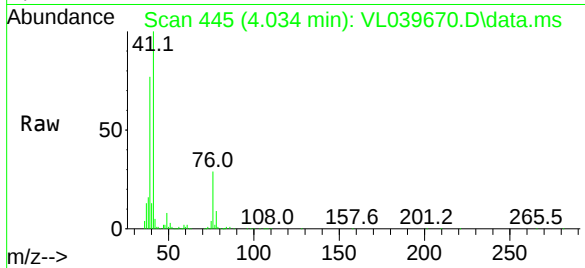




#21  
 Allyl Chloride  
 Concen: 8.522 ppbv  
 RT: 4.034 min Scan# 444  
 Delta R.T. 0.020 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

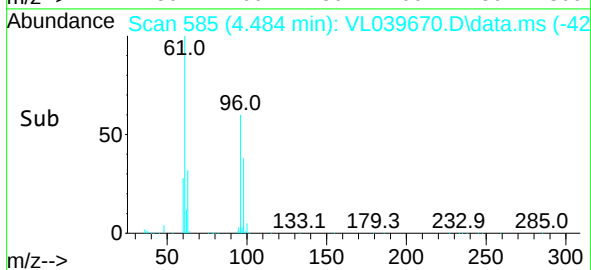
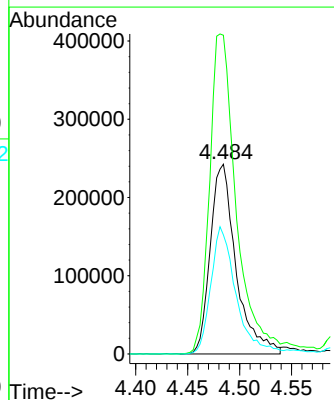
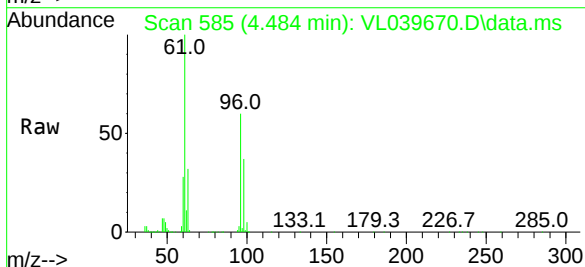
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0922ABS01

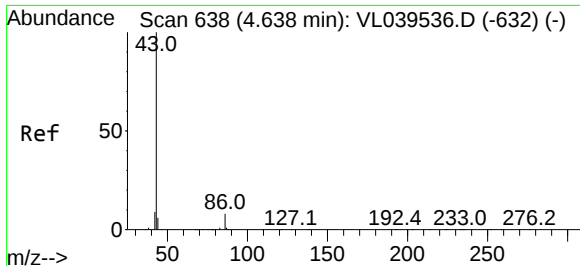
Tgt Ion: 41 Resp: 664588  
 Ion Ratio Lower Upper  
 41 100  
 76 30.1 24.4 36.6  
 39 79.4 63.5 95.3



#22  
 trans-1,2-Dichloroethene  
 Concen: 8.646 ppbv  
 RT: 4.484 min Scan# 585  
 Delta R.T. 0.026 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 96 Resp: 419999  
 Ion Ratio Lower Upper  
 96 100  
 61 168.0 130.6 195.8  
 98 62.8 53.4 80.0



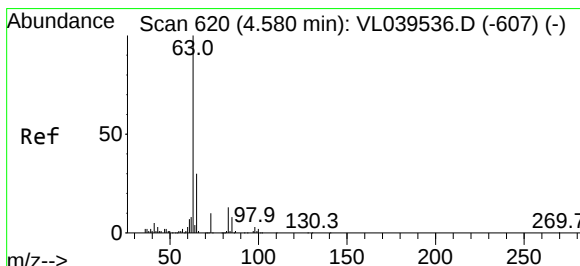
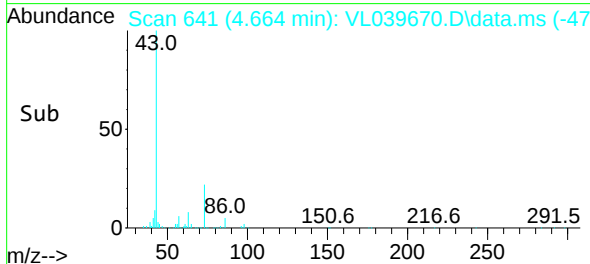
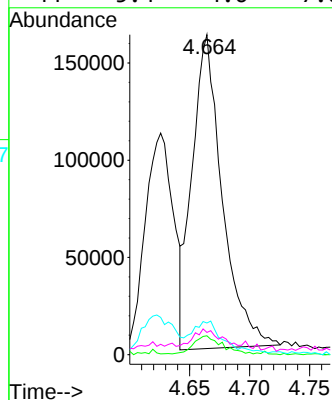
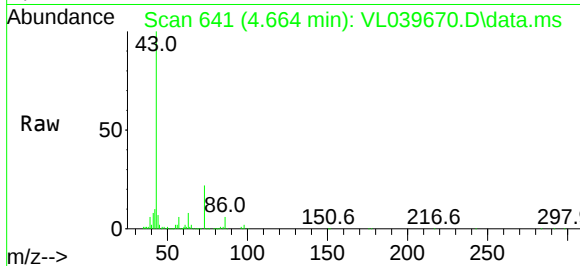


#23  
 Vinyl Acetate  
 Concen: 5.455 ppbv  
 RT: 4.664 min Scan# 641  
 Delta R.T. 0.026 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VL0922ABS01

Tgt Ion: 43 Resp: 282398

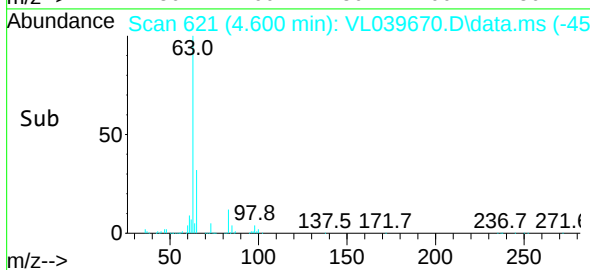
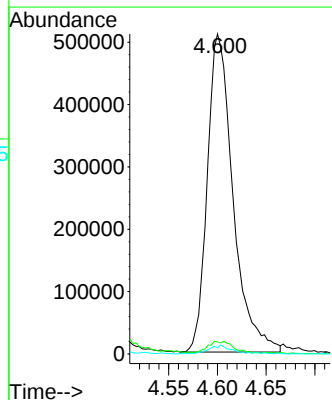
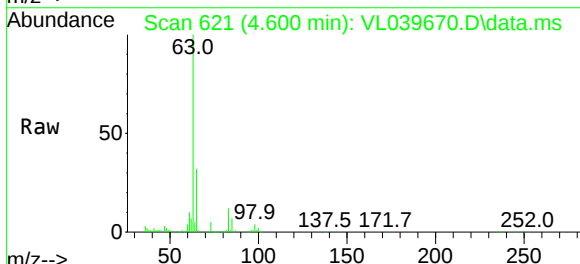
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 6.1   | 5.0   | 7.6   |
| 42  | 9.3   | 7.7   | 11.5  |
| 44  | 5.4   | 4.6   | 7.0   |

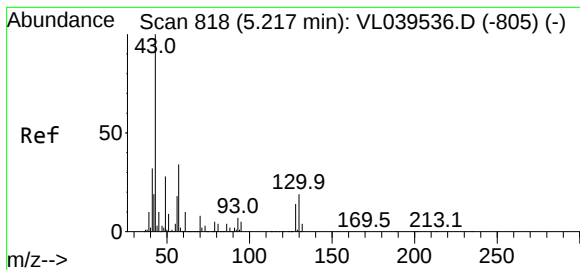


#24  
 1,1-Dichloroethane  
 Concen: 9.101 ppbv  
 RT: 4.600 min Scan# 621  
 Delta R.T. 0.020 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 63 Resp: 938296

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.3   | 1.8   | 5.3   |
| 100 | 1.8   | 1.5   | 4.4   |



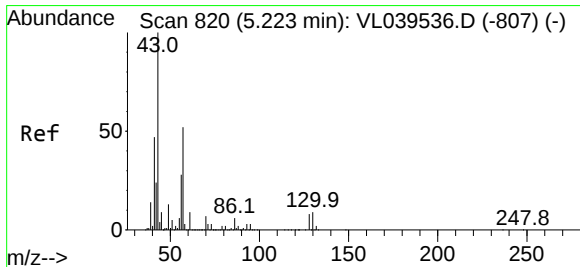
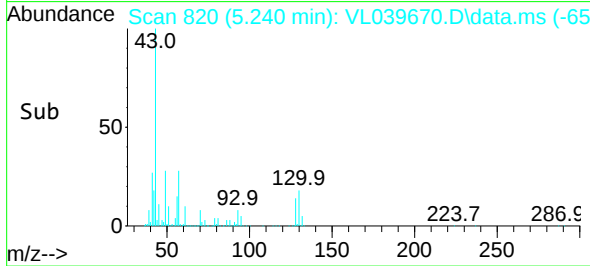
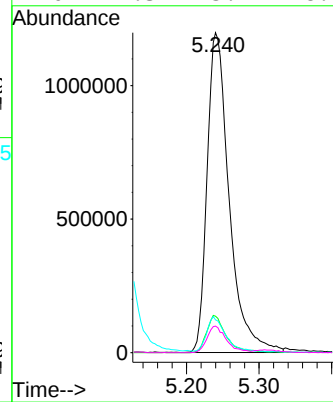
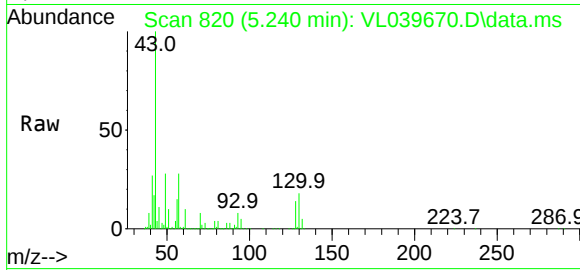


#25  
Ethyl Acetate  
Concen: 10.145 ppbv  
RT: 5.240 min Scan# 818  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

Tgt Ion: 43 Resp: 2533390

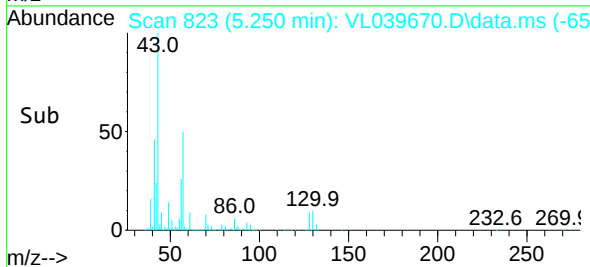
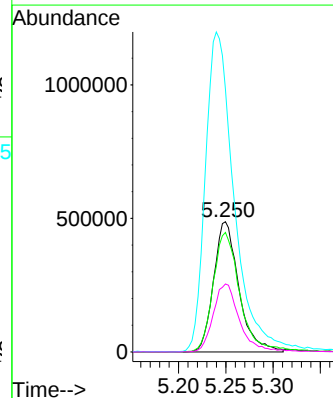
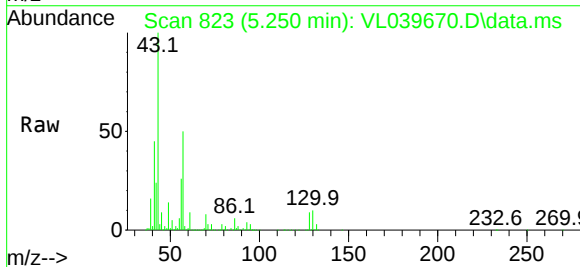
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.6  | 8.2   | 12.4  |
| 61  | 10.7  | 8.3   | 12.5  |
| 70  | 7.3   | 5.9   | 8.9   |

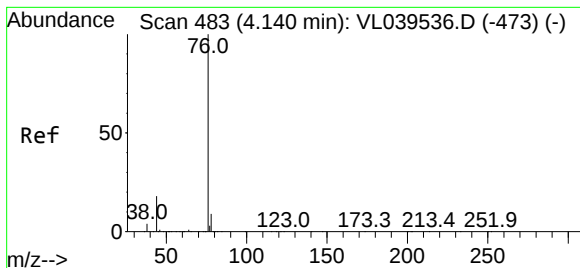


#26  
Hexane  
Concen: 8.557 ppbv  
RT: 5.250 min Scan# 823  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 57 Resp: 906818

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 98.5  | 76.9  | 115.3 |
| 43  | 283.1 | 191.0 | 286.6 |
| 56  | 54.9  | 43.2  | 64.8  |



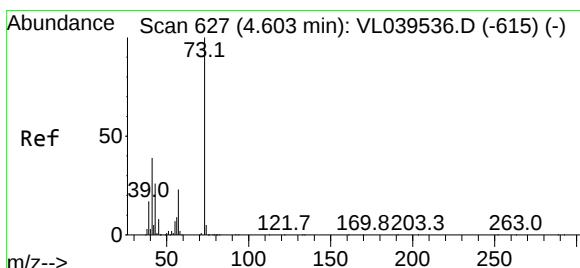
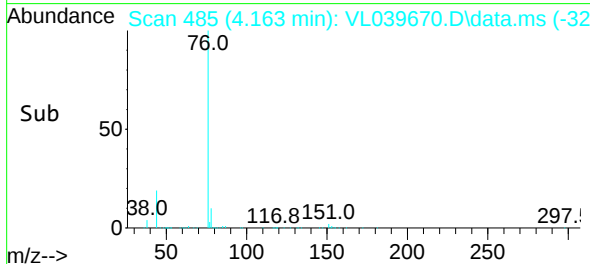
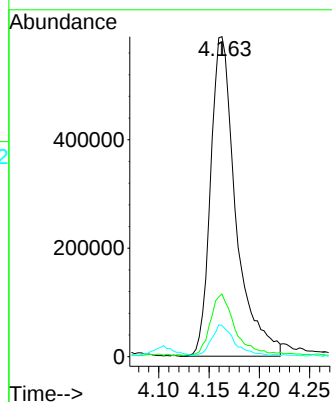
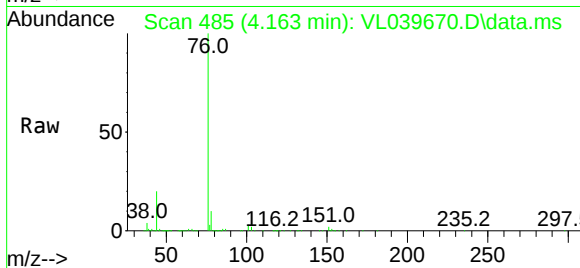


#27  
Carbon Disulfide  
Concen: 9.257 ppbv  
RT: 4.163 min Scan# 41  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

Tgt Ion: 76 Resp: 1030928

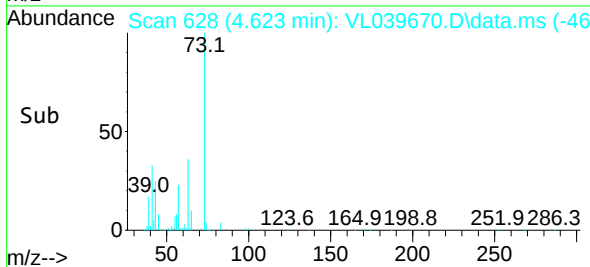
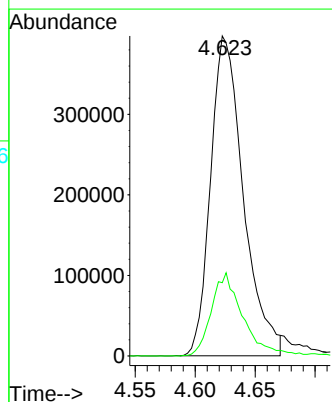
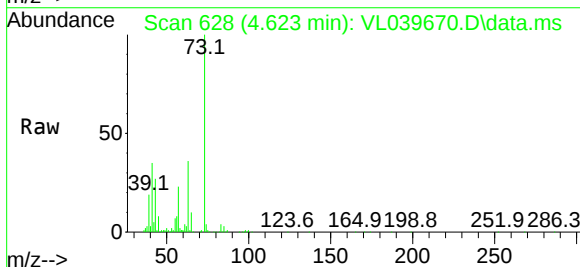
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 20.0  | 14.6  | 21.8  |
| 78  | 10.3  | 7.8   | 11.6  |

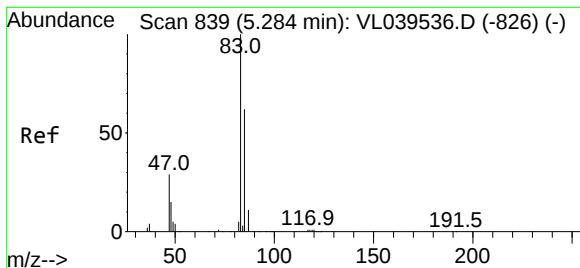


#28  
Methyl tert-Butyl Ether  
Concen: 8.481 ppbv  
RT: 4.623 min Scan# 628  
Delta R.T. 0.020 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 73 Resp: 755048

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 25.6  | 19.8  | 29.8  |

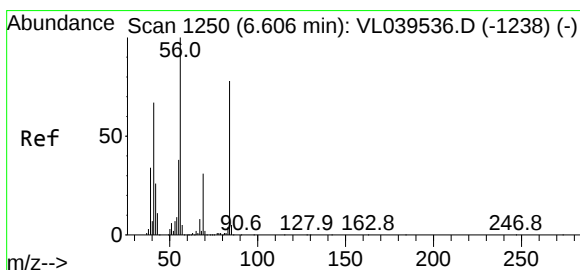
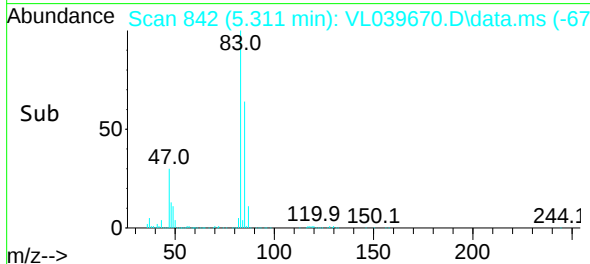
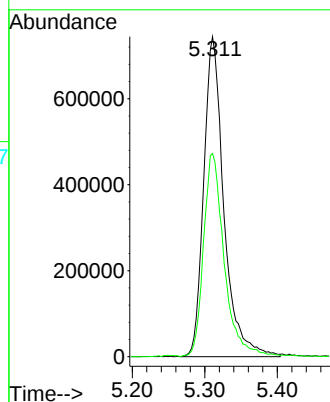
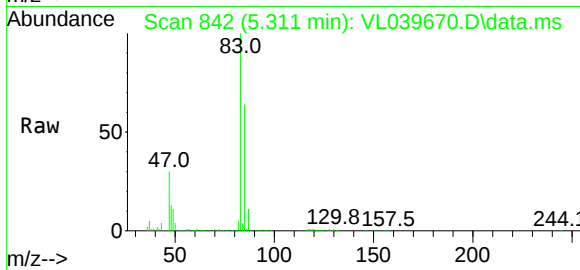




#29  
Chloroform  
Concen: 9.381 ppbv  
RT: 5.311 min Scan# 84  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

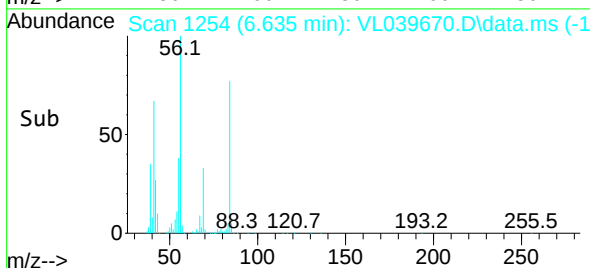
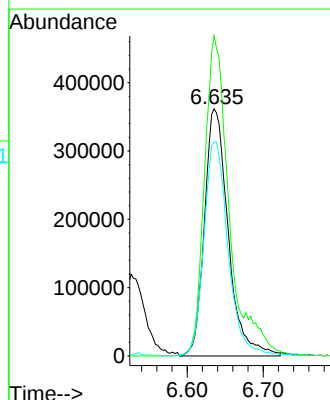
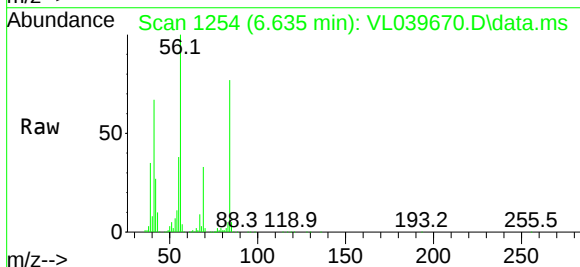
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

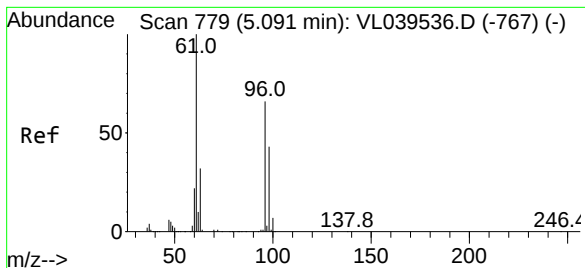
Tgt Ion: 83 Resp: 1435064  
Ion Ratio Lower Upper  
83 100  
85 63.4 52.8 79.2



#30  
Cyclohexane  
Concen: 9.575 ppbv  
RT: 6.635 min Scan# 1254  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 84 Resp: 785733  
Ion Ratio Lower Upper  
84 100  
56 136.0 107.7 161.5  
41 88.7 67.7 101.5

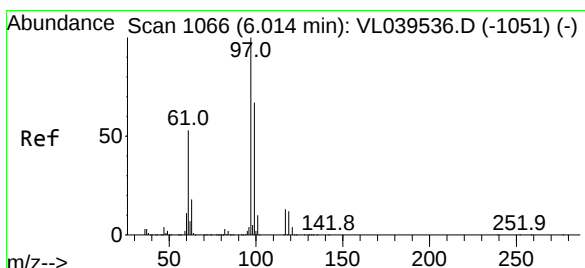
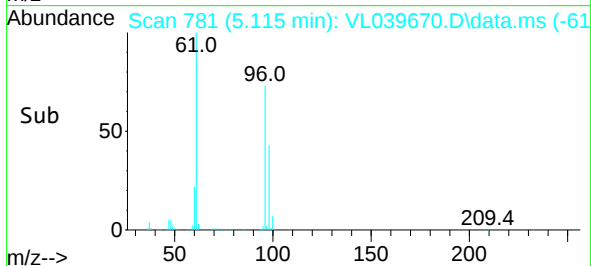
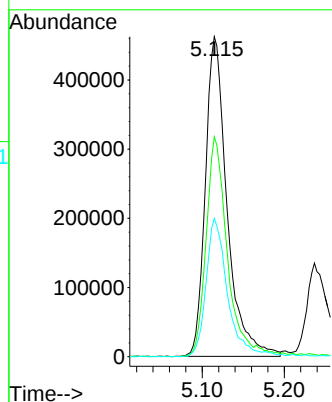
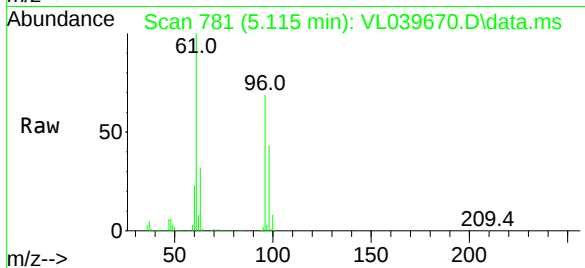




#31  
 cis-1,2-Dichloroethene  
 Concen: 8.889 ppbv  
 RT: 5.115 min Scan# 71  
 Delta R.T. 0.023 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

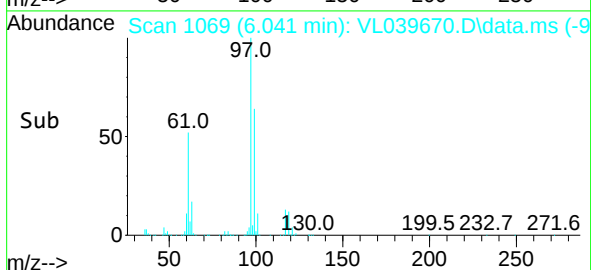
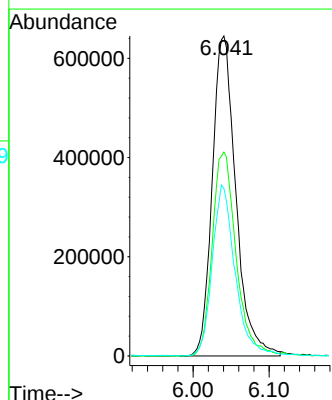
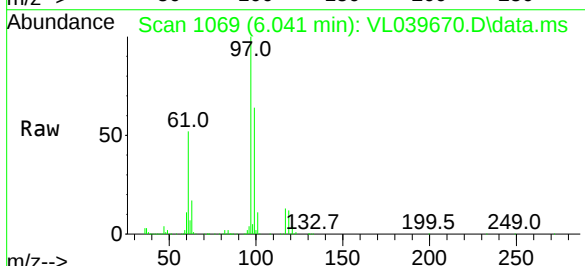
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

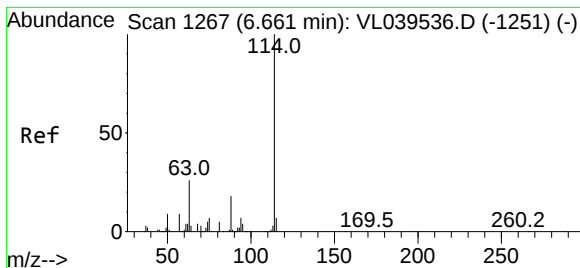
Tgt Ion: 61 Resp: 851937  
 Ion Ratio Lower Upper  
 61 100  
 96 68.7 54.1 81.1  
 98 43.2 34.6 52.0



#32  
 1,1,1-Trichloroethane  
 Concen: 10.043 ppbv  
 RT: 6.041 min Scan# 1069  
 Delta R.T. 0.026 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 97 Resp: 1390880  
 Ion Ratio Lower Upper  
 97 100  
 99 65.0 52.3 78.5  
 61 52.0 40.9 61.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 114

Delta R.T. 0.026 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01

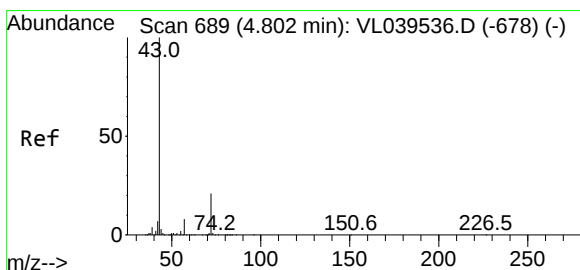
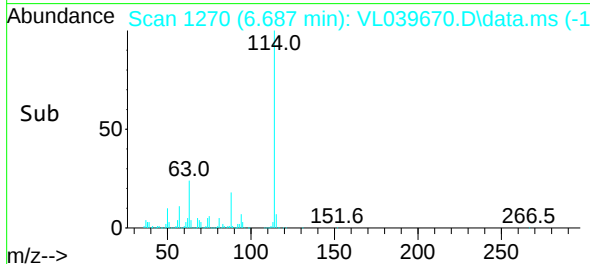
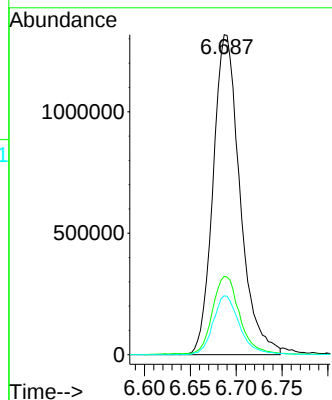
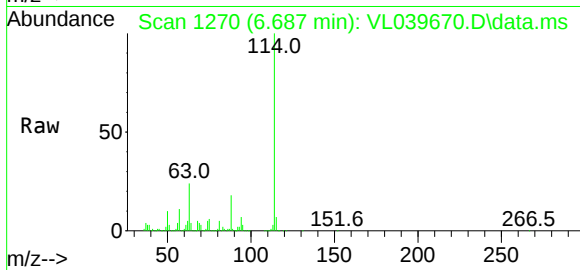
Tgt Ion:114 Resp: 2682674

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.4

88 18.3 14.5 21.7



#34

2-Butanone

Concen: 9.619 ppbv

RT: 4.825 min Scan# 691

Delta R.T. 0.023 min

Lab File: VL039670.D

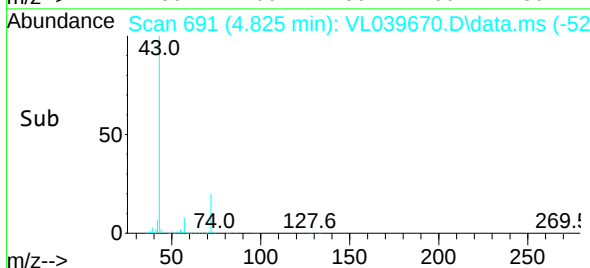
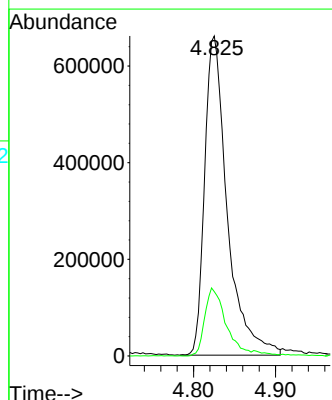
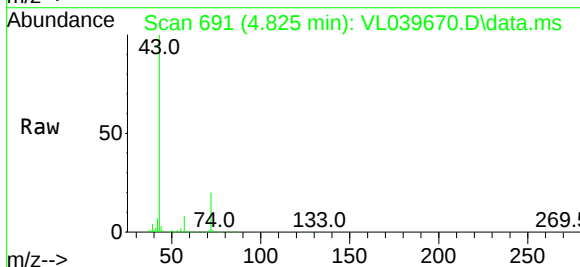
Acq: 22 Sep 2022 17:41

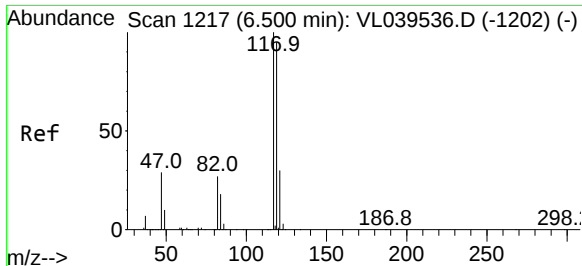
Tgt Ion: 43 Resp: 1267435

Ion Ratio Lower Upper

43 100

72 21.4 17.9 26.9

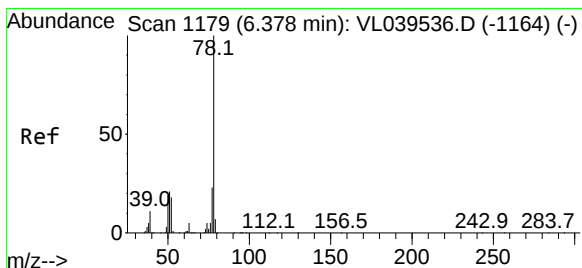
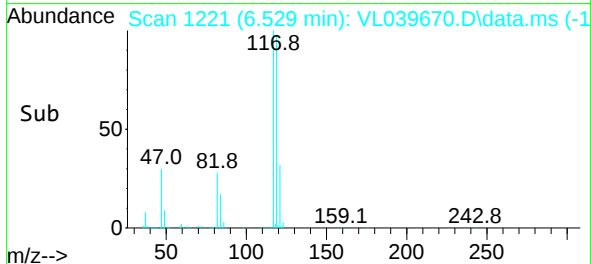
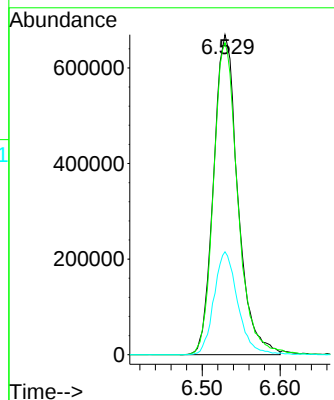
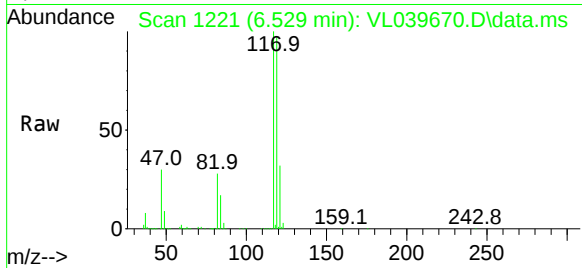




#35  
Carbon Tetrachloride  
Concen: 10.184 ppbv  
RT: 6.529 min Scan# 1182  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

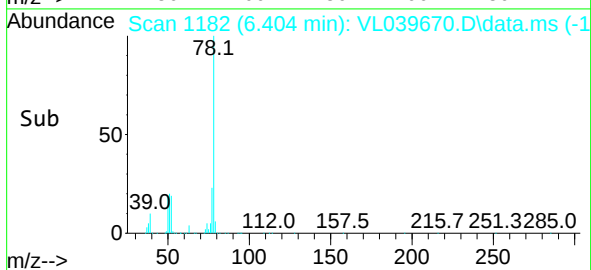
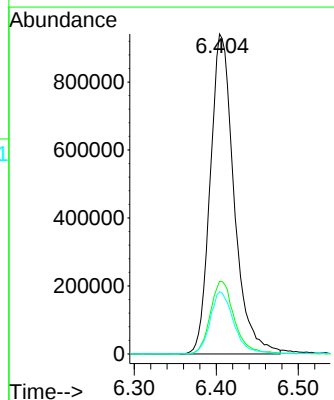
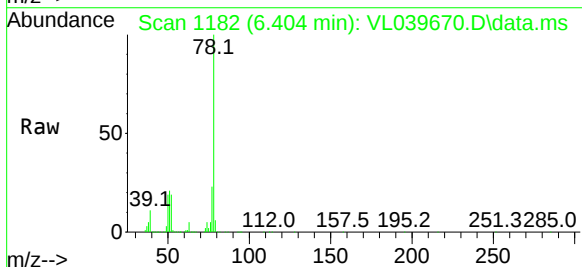
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

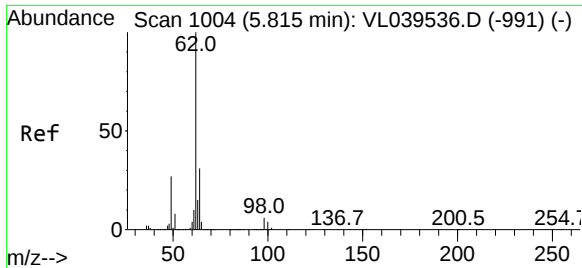
Tgt Ion:117 Resp: 1450353  
Ion Ratio Lower Upper  
117 100  
119 97.5 75.4 113.2  
121 32.1 24.2 36.2



#36  
Benzene  
Concen: 9.250 ppbv  
RT: 6.404 min Scan# 1182  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 78 Resp: 1897208  
Ion Ratio Lower Upper  
78 100  
77 22.7 20.3 30.5  
50 19.4 15.5 23.3

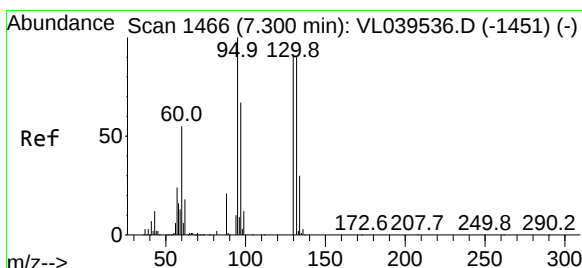
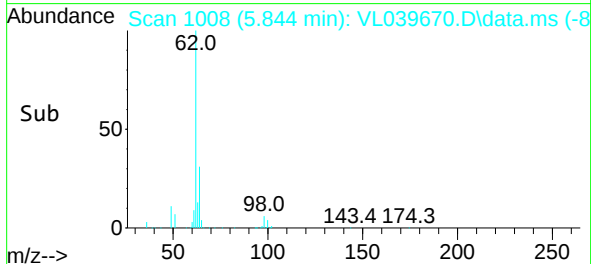
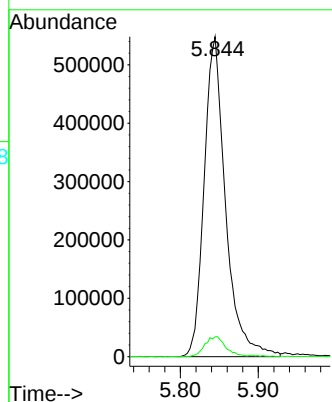
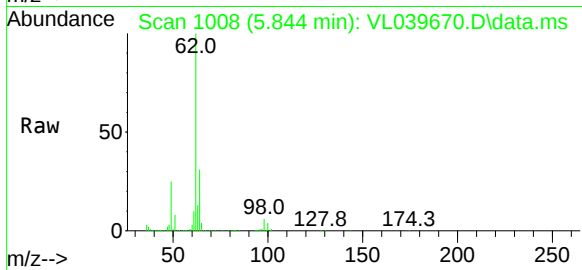




#37  
1,2-Dichloroethane  
Concen: 9.380 ppbv  
RT: 5.844 min Scan# 1008  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

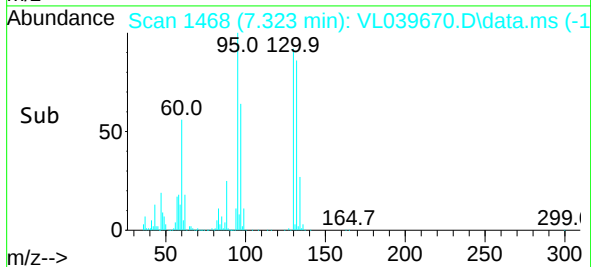
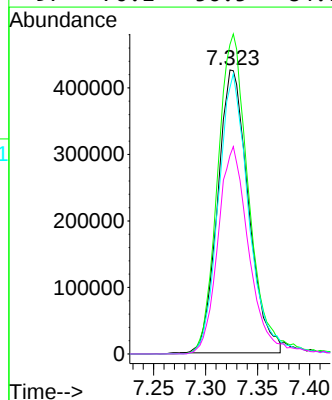
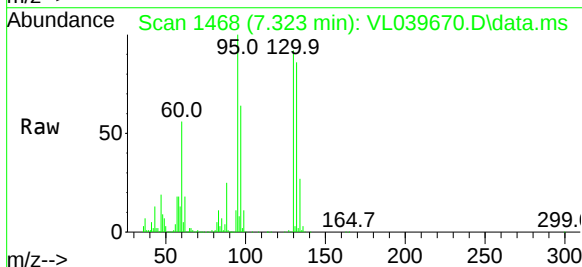
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

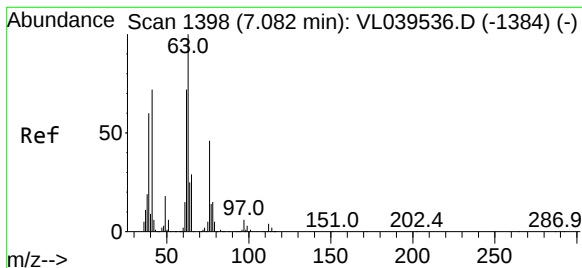
Tgt Ion: 62 Resp: 1047052  
Ion Ratio Lower Upper  
62 100  
98 6.5 5.1 7.7



#38  
Trichloroethene  
Concen: 7.870 ppbv  
RT: 7.323 min Scan# 1468  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:130 Resp: 872369  
Ion Ratio Lower Upper  
130 100  
95 109.3 87.3 130.9  
132 94.1 76.7 115.1  
97 70.1 56.5 84.7

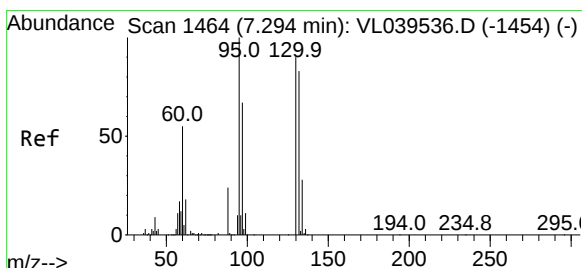
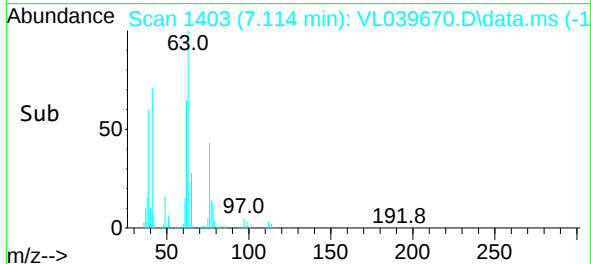
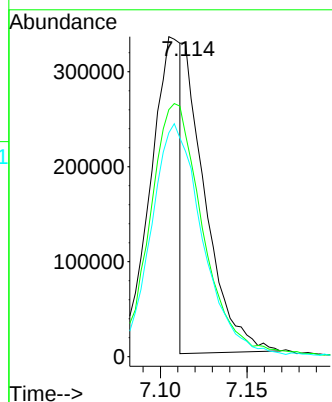
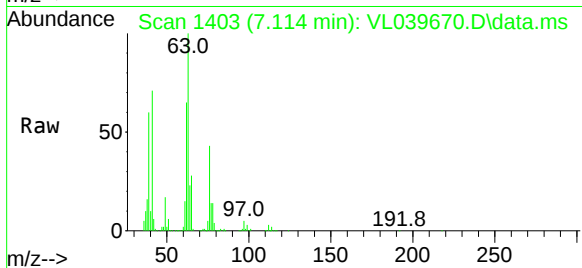




#39  
1,2-Dichloropropane  
Concen: 3.741 ppbv  
RT: 7.114 min Scan# 1403  
Delta R.T. 0.033 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

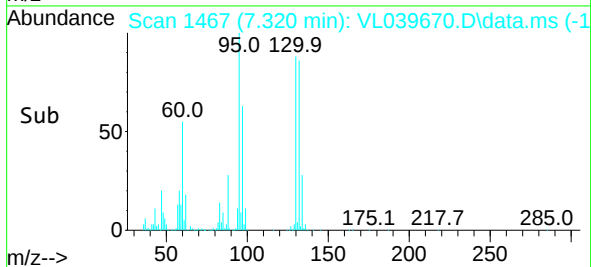
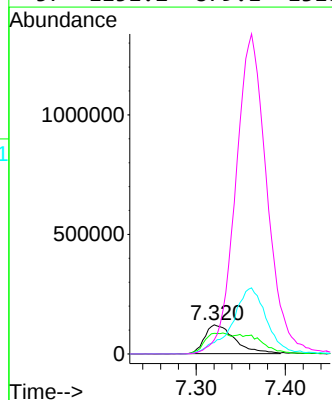
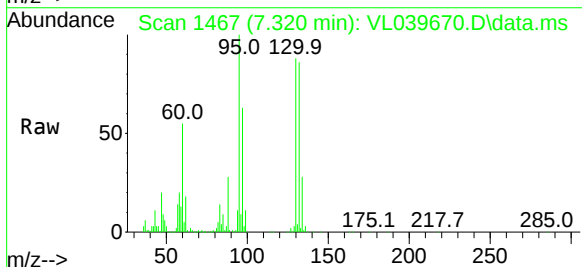
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

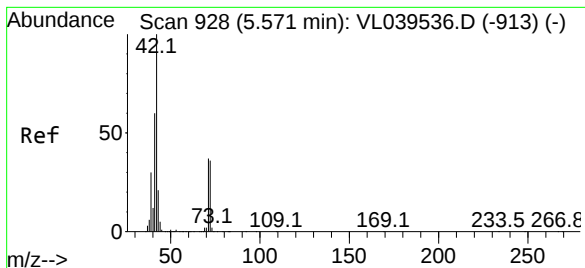
Tgt Ion: 63 Resp: 296319  
Ion Ratio Lower Upper  
63 100  
41 70.3 59.6 89.4  
62 63.6 51.4 77.0



#40  
1,4-Dioxane  
Concen: 8.814 ppbv  
RT: 7.320 min Scan# 1467  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 88 Resp: 285049  
Ion Ratio Lower Upper  
88 100  
58 127.5 100.2 150.4  
43 267.3 205.8 308.6  
57 1151.2 879.1 1318.7

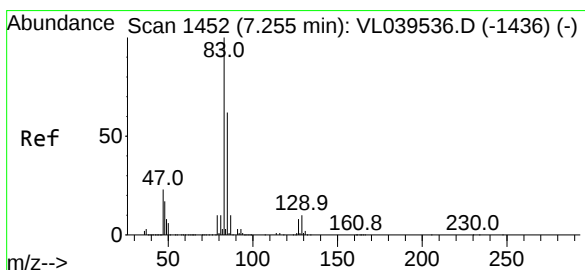
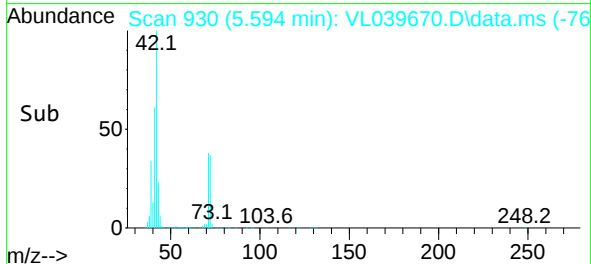
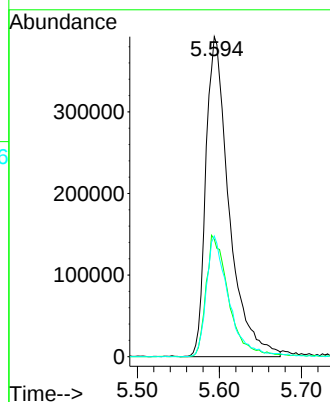
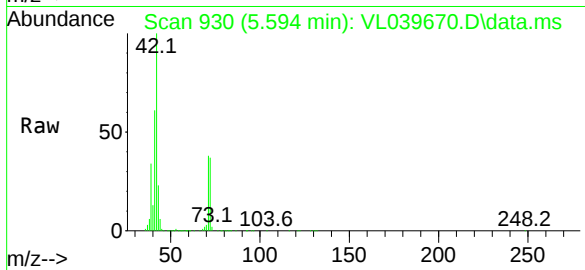




#41  
Tetrahydrofuran  
Concen: 9.517 ppbv  
RT: 5.594 min Scan# 91  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

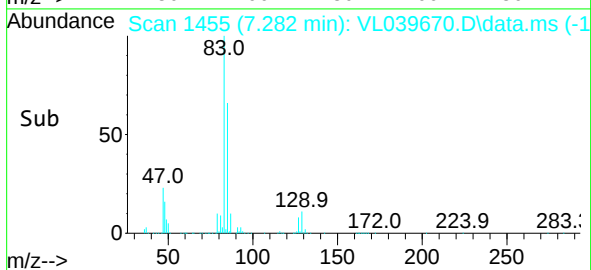
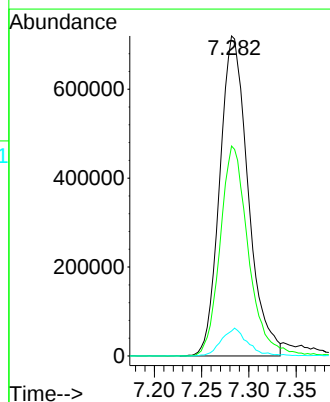
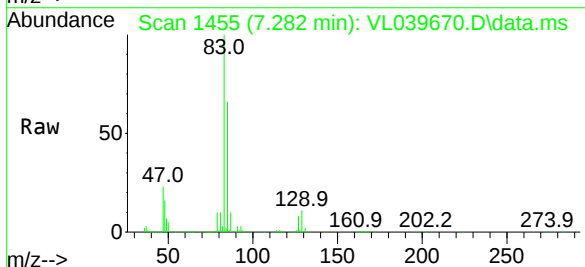
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

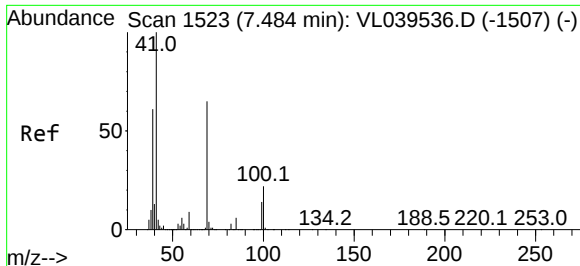
Tgt Ion: 42 Resp: 769349  
Ion Ratio Lower Upper  
42 100  
72 37.5 31.8 47.8  
71 37.0 31.8 47.8



#42  
Bromodichloromethane  
Concen: 9.669 ppbv  
RT: 7.282 min Scan# 1455  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 83 Resp: 1501228  
Ion Ratio Lower Upper  
83 100  
85 65.6 50.7 76.1  
127 7.8 6.6 9.8





#43

Methyl Methacrylate

Concen: 10.434 ppbv

RT: 7.510 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01

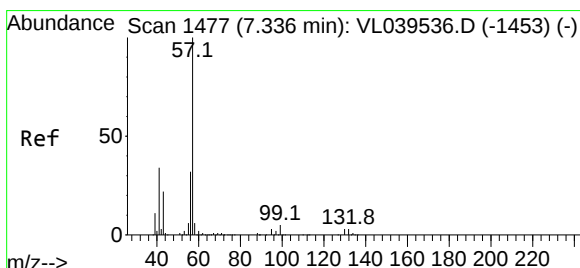
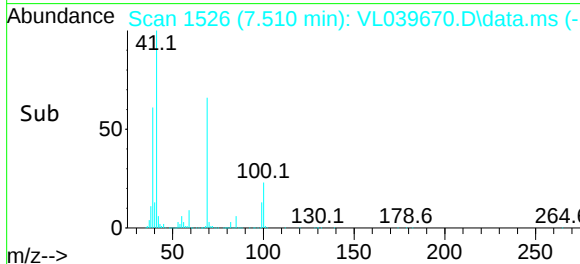
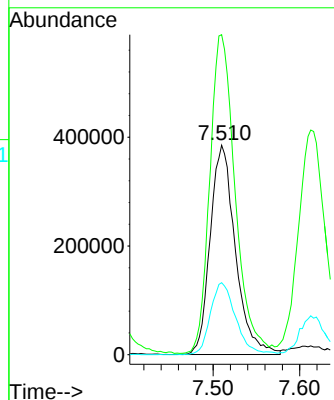
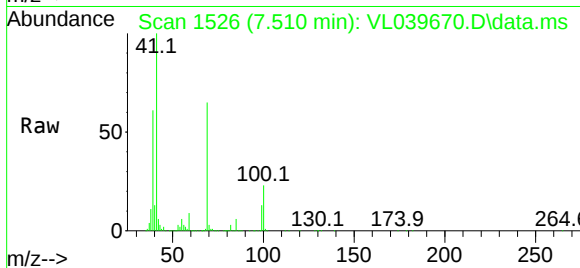
Tgt Ion: 69 Resp: 780062

Ion Ratio Lower Upper

69 100

41 154.5 120.8 181.2

100 34.6 27.8 41.6



#44

2,2,4-Trimethylpentane

Concen: 9.251 ppbv

RT: 7.362 min Scan# 1480

Delta R.T. 0.026 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

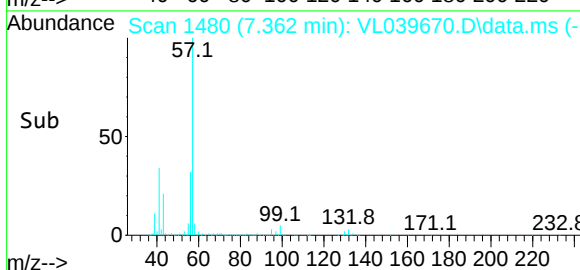
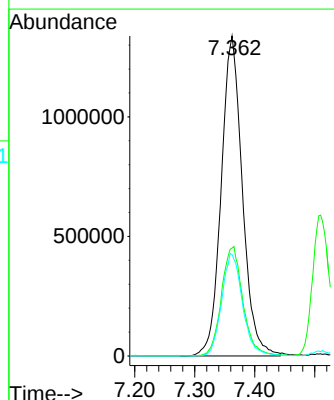
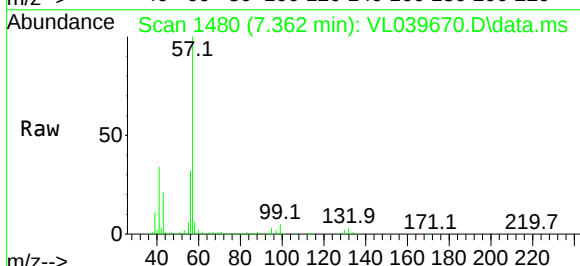
Tgt Ion: 57 Resp: 3270311

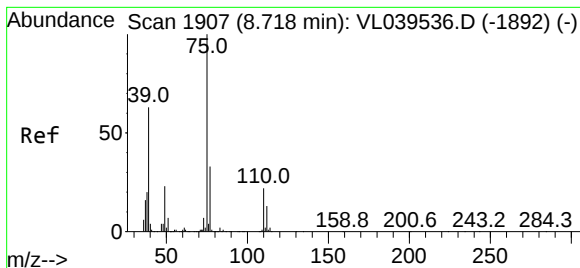
Ion Ratio Lower Upper

57 100

41 34.8 27.4 41.2

56 31.5 24.5 36.7

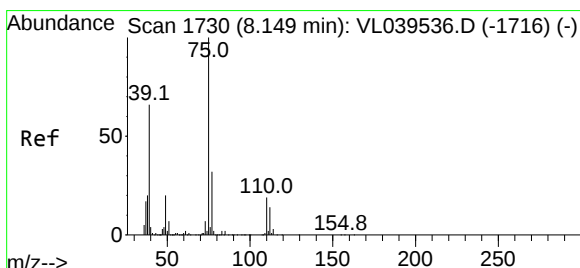
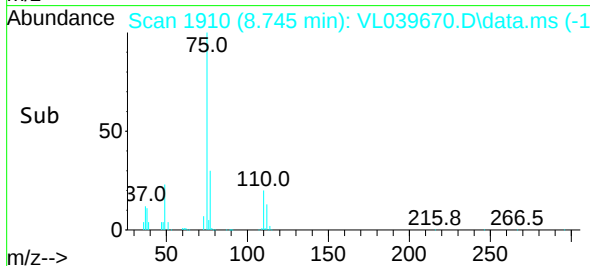
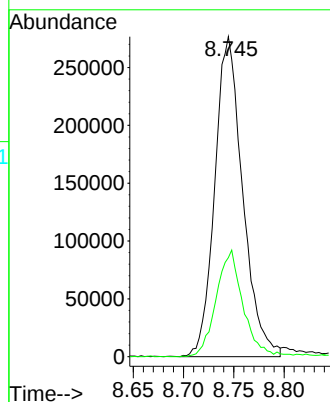
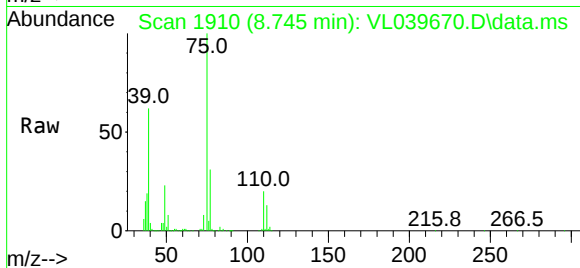




#45  
 t-1,3-Dichloropropene  
 Concen: 8.457 ppbv  
 RT: 8.745 min Scan# 1907  
 Delta R.T. 0.026 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

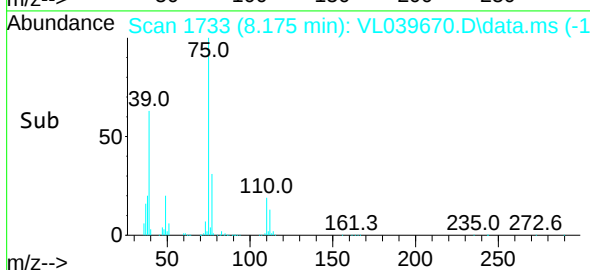
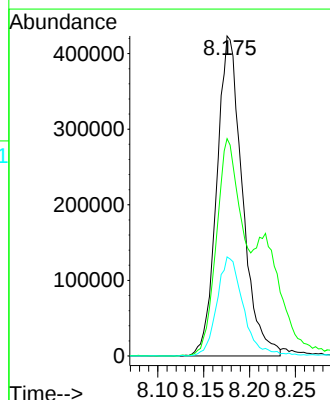
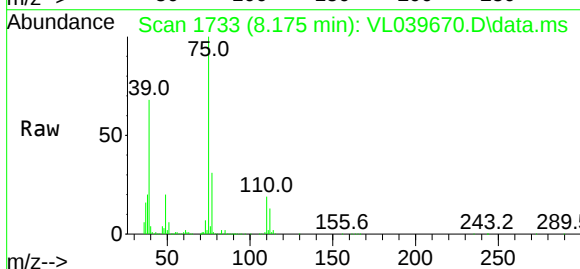
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

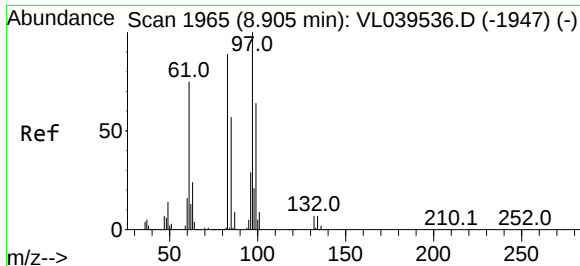
Tgt Ion: 75 Resp: 534276  
 Ion Ratio Lower Upper  
 75 100  
 77 31.0 24.6 36.8



#46  
 cis-1,3-Dichloropropene  
 Concen: 9.147 ppbv  
 RT: 8.175 min Scan# 1733  
 Delta R.T. 0.026 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 75 Resp: 822700  
 Ion Ratio Lower Upper  
 75 100  
 39 67.8 55.0 82.4  
 77 30.9 25.7 38.5

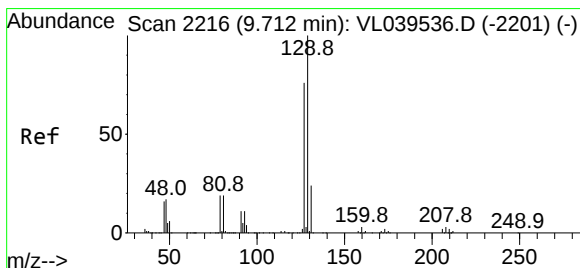
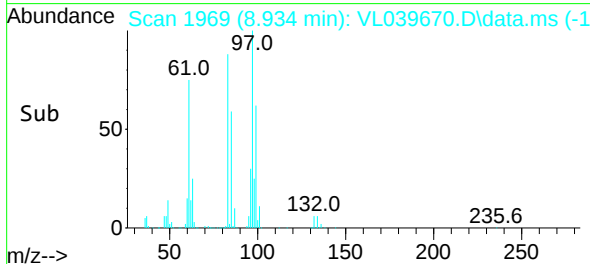
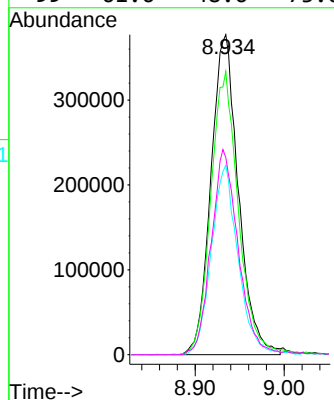
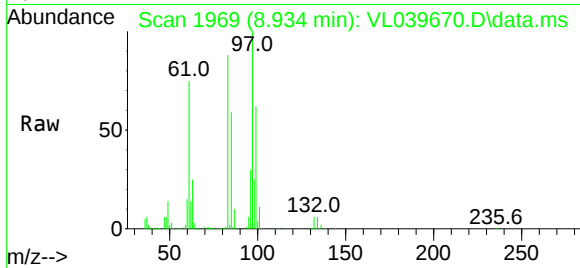




#47  
1,1,2-Trichloroethane  
Concen: 9.320 ppbv  
RT: 8.934 min Scan# 1965  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

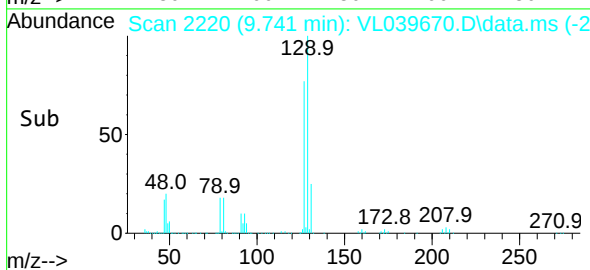
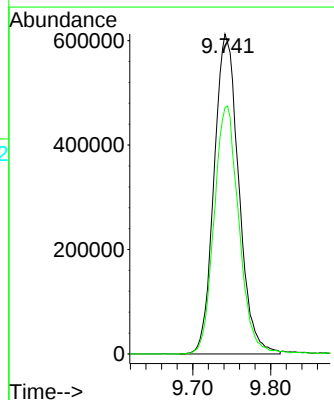
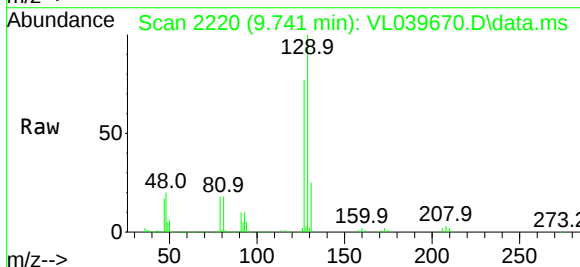
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

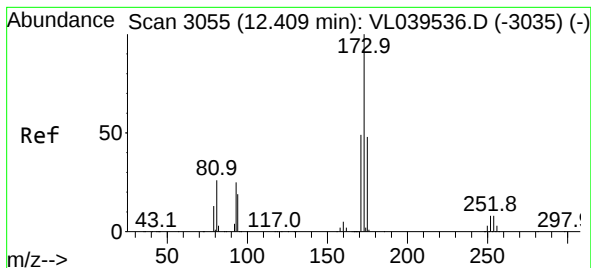
Tgt Ion: 97 Resp: 806835  
Ion Ratio Lower Upper  
97 100  
83 88.3 67.4 101.0  
85 59.1 45.1 67.7  
99 61.6 48.6 73.0



#48  
Dibromochloromethane  
Concen: 10.322 ppbv  
RT: 9.741 min Scan# 2220  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 129 Resp: 1345590  
Ion Ratio Lower Upper  
129 100  
127 78.4 39.3 117.9





#49

Bromoform

Concen: 10.748 ppbv

RT: 12.439 min Scan# 3055

Delta R.T. 0.029 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01

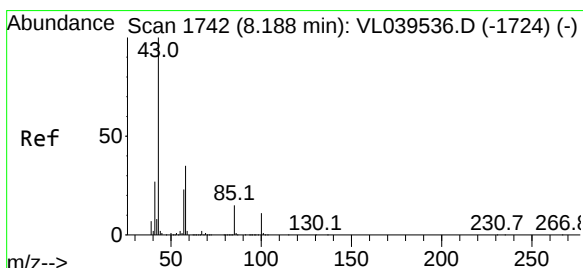
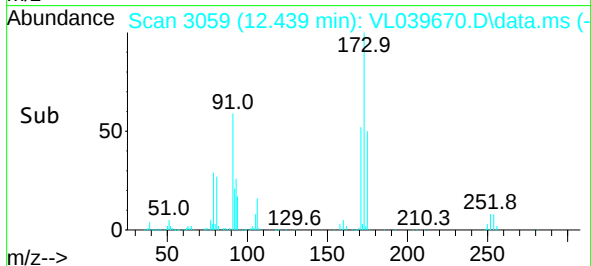
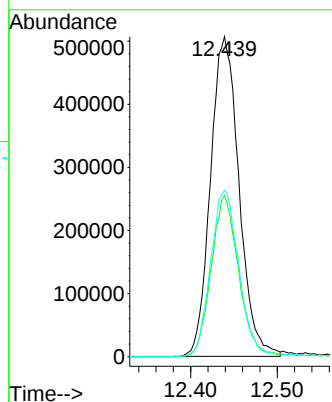
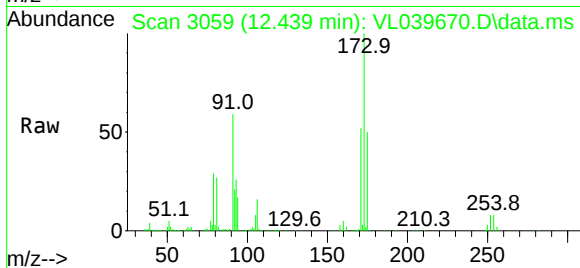
Tgt Ion:173 Resp: 1158846

Ion Ratio Lower Upper

173 100

175 49.1 40.3 60.5

171 52.5 42.9 64.3



#50

4-Methyl-2-Pentanone

Concen: 9.993 ppbv

RT: 8.217 min Scan# 1746

Delta R.T. 0.030 min

Lab File: VL039670.D

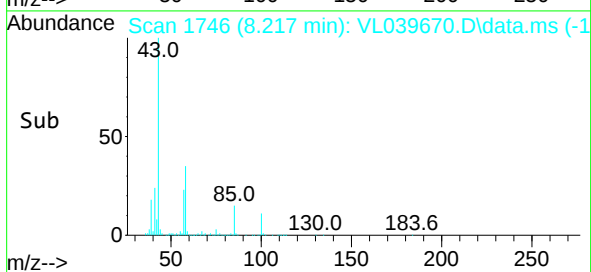
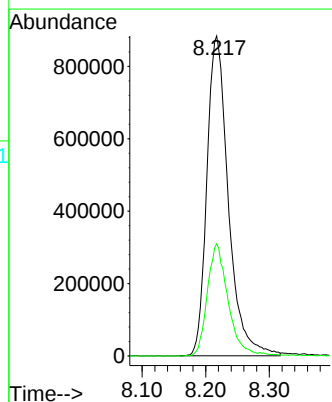
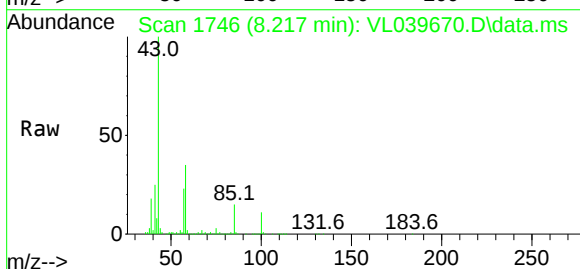
Acq: 22 Sep 2022 17:41

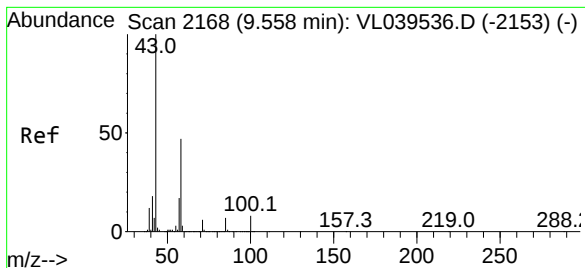
Tgt Ion: 43 Resp: 2069140

Ion Ratio Lower Upper

43 100

58 34.3 28.8 43.2

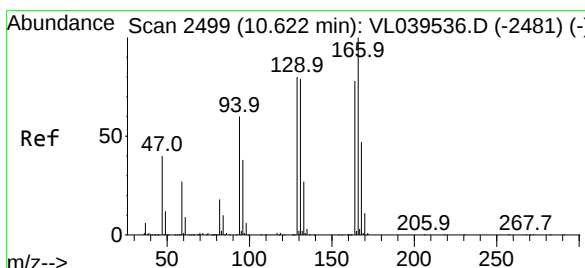
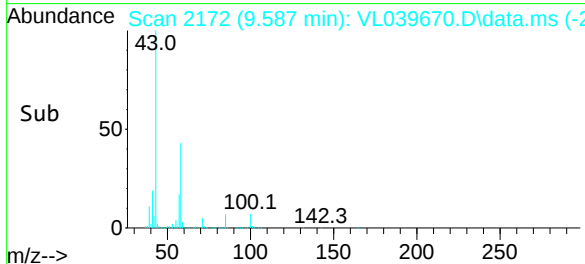
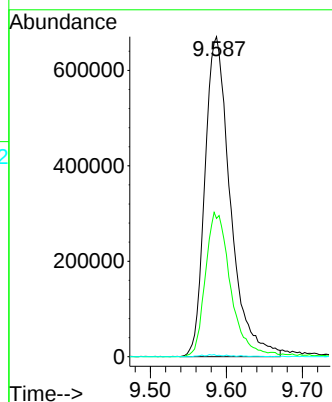
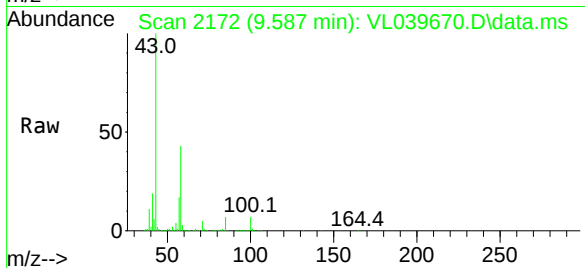




#51  
2-Hexanone  
Concen: 10.158 ppbv  
RT: 9.587 min Scan# 2168  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

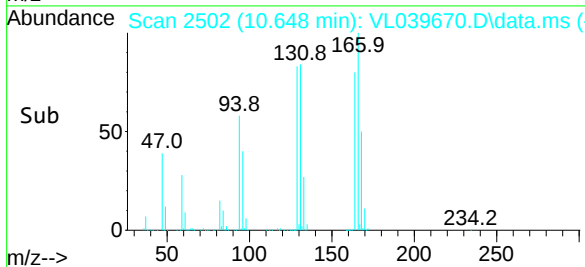
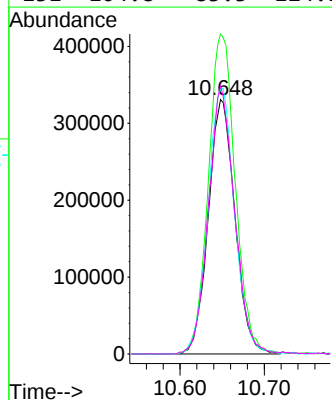
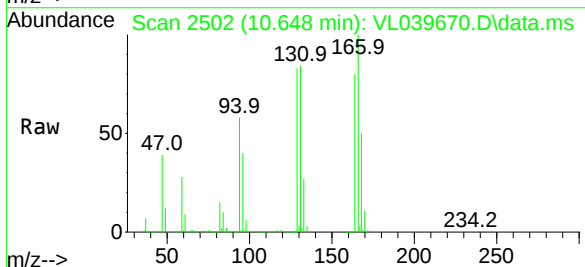
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

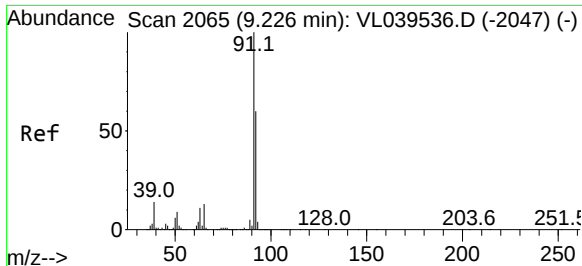
Tgt Ion: 43 Resp: 1557019  
Ion Ratio Lower Upper  
43 100  
58 46.0 38.4 57.6  
98 0.7 0.3 0.5#



#52  
Tetrachloroethene  
Concen: 9.254 ppbv  
RT: 10.648 min Scan# 2502  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 164 Resp: 724117  
Ion Ratio Lower Upper  
164 100  
166 125.3 102.2 153.2  
129 104.0 85.8 128.8  
131 104.8 83.3 124.9

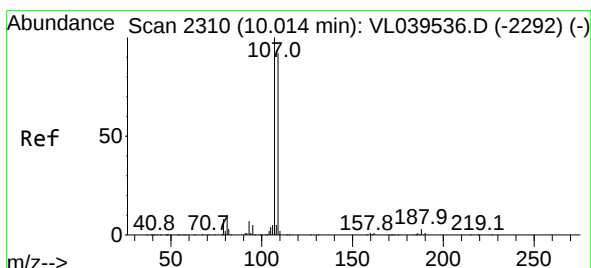
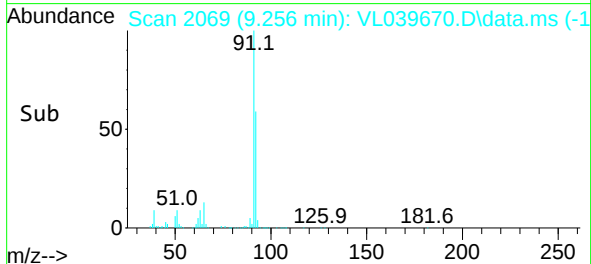
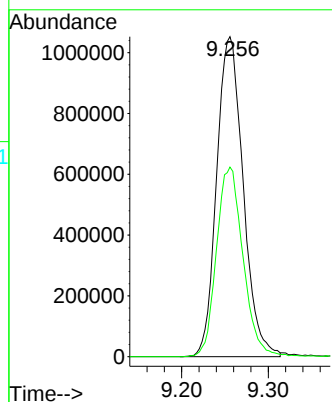
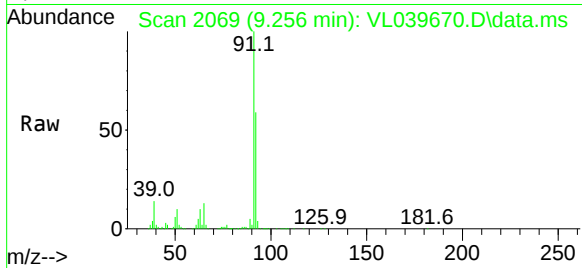




#53  
Toluene  
Concen: 9.811 ppbv  
RT: 9.256 min Scan# 2065  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

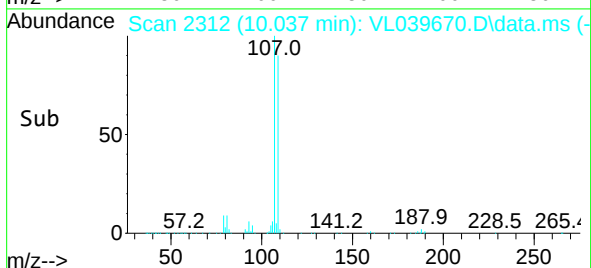
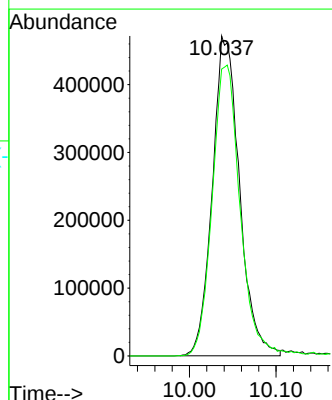
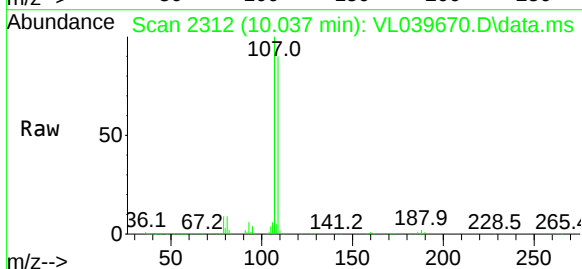
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

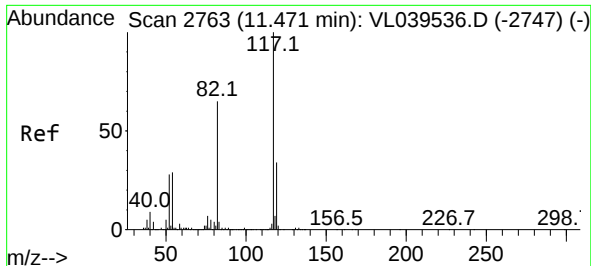
Tgt Ion: 91 Resp: 2237967  
Ion Ratio Lower Upper  
91 100  
92 59.6 48.2 72.2



#54  
1,2-Dibromoethane  
Concen: 11.089 ppbv  
RT: 10.037 min Scan# 2312  
Delta R.T. 0.023 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 107 Resp: 1026906  
Ion Ratio Lower Upper  
107 100  
109 89.6 74.8 112.2

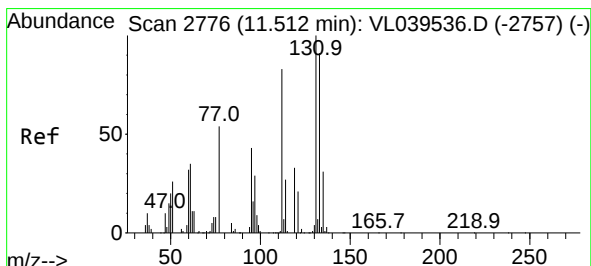
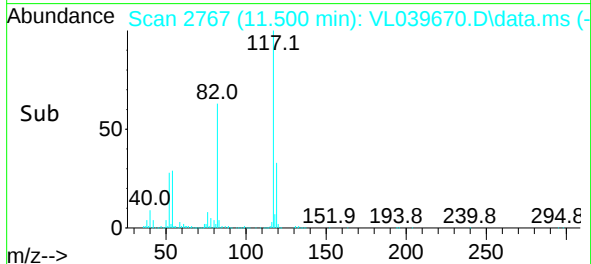
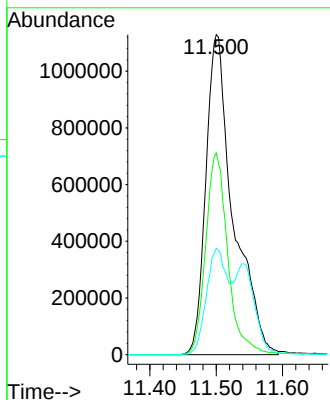
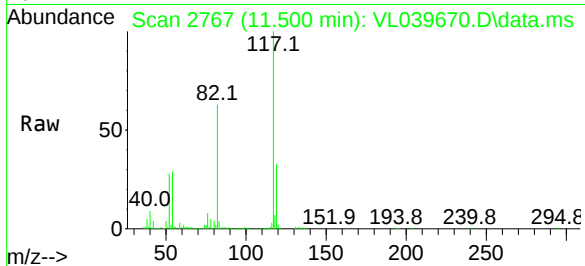




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.500 min Scan# 21  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

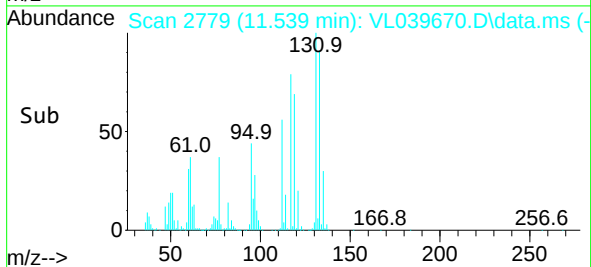
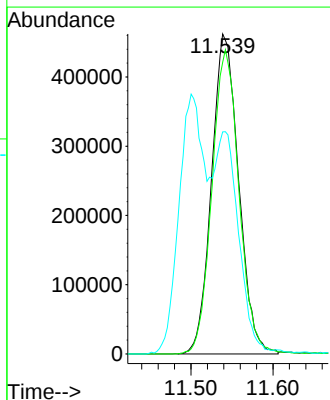
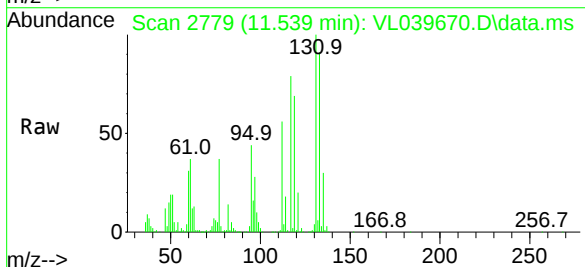
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

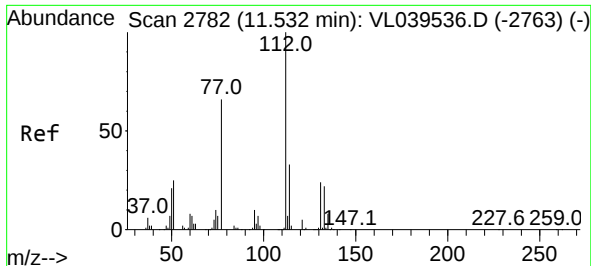
Tgt Ion:117 Resp: 3236654  
Ion Ratio Lower Upper  
117 100  
82 51.1 50.8 76.2  
119 27.3 24.1 36.1



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.105 ppbv  
RT: 11.539 min Scan# 2779  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:131 Resp: 1060071  
Ion Ratio Lower Upper  
131 100  
133 95.2 76.8 115.2  
119 64.7 46.2 69.4

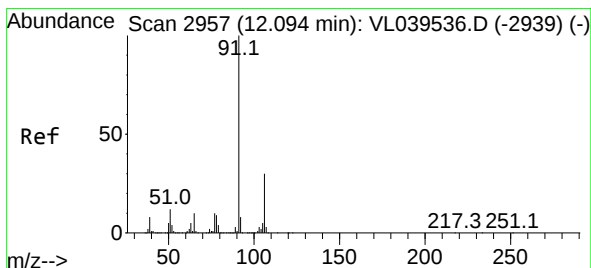
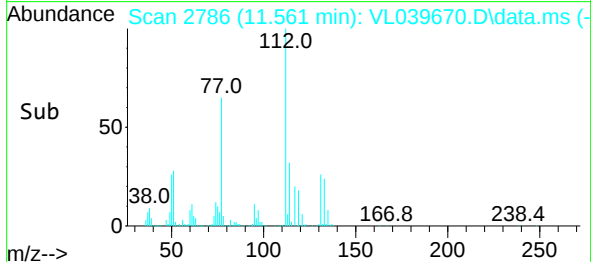
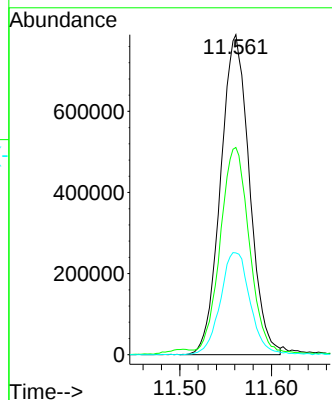
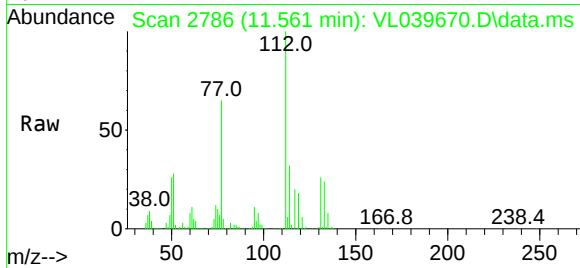




#57  
Chlorobenzene  
Concen: 7.244 ppbv  
RT: 11.561 min Scan# 21  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

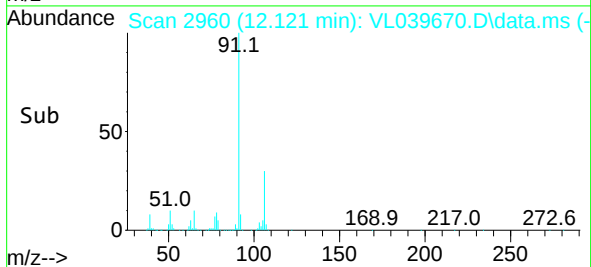
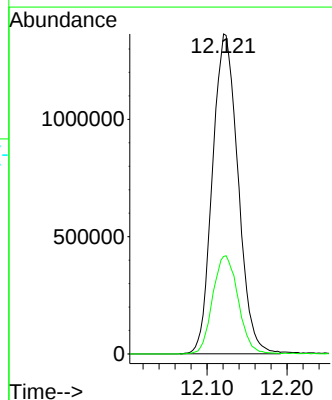
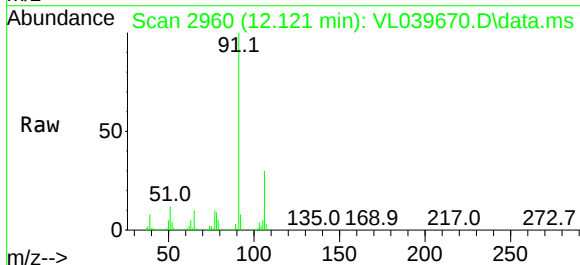
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MSVOA\_L  
ClientSampleId :  
VL0922ABS01

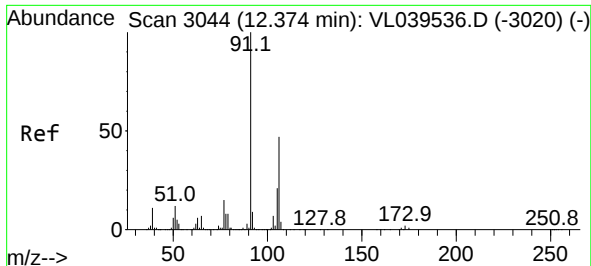
Tgt Ion:112 Resp: 1724156  
Ion Ratio Lower Upper  
112 100  
77 63.3 51.0 76.4  
114 31.8 27.5 33.6



#58  
Ethyl Benzene  
Concen: 8.110 ppbv  
RT: 12.121 min Scan# 2960  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 91 Resp: 3026664  
Ion Ratio Lower Upper  
91 100  
106 30.5 25.4 38.0





#59

m/p-Xylene

Concen: 7.821 ppbv

RT: 12.407 min Scan# 3044

Delta R.T. 0.033 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

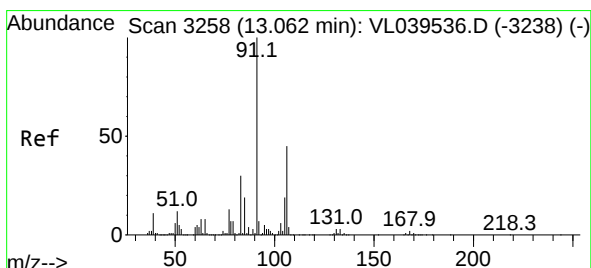
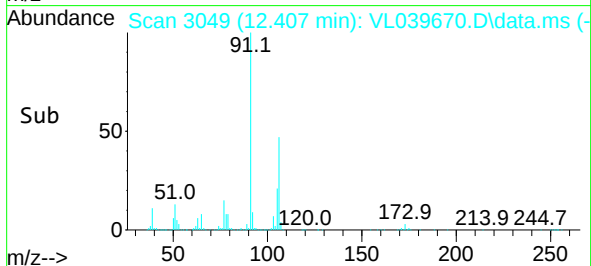
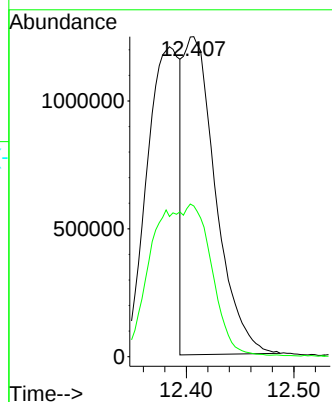
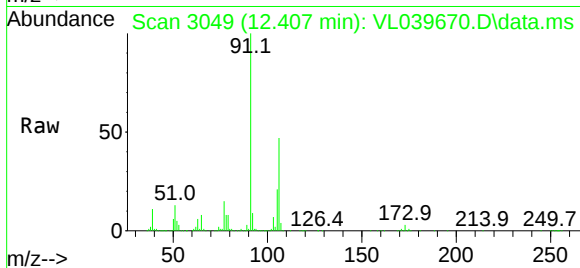
VL0922ABS01

Tgt Ion: 91 Resp: 2597422

Ion Ratio Lower Upper

91 100

106 89.4 35.4 53.2#



#60

o-Xylene

Concen: 7.972 ppbv

RT: 13.092 min Scan# 3262

Delta R.T. 0.030 min

Lab File: VL039670.D

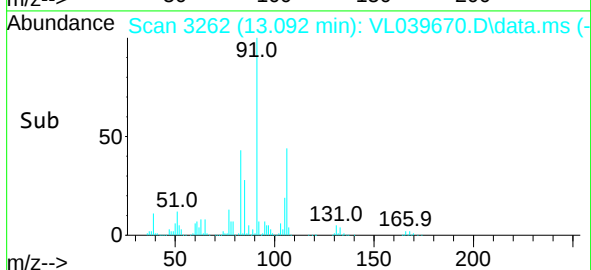
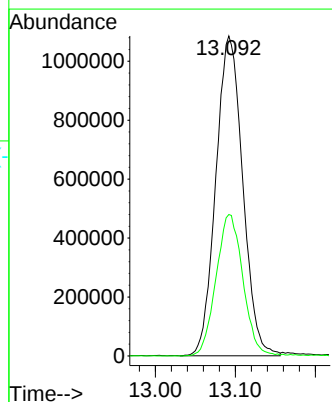
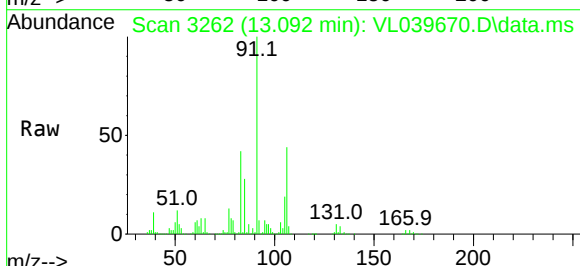
Acq: 22 Sep 2022 17:41

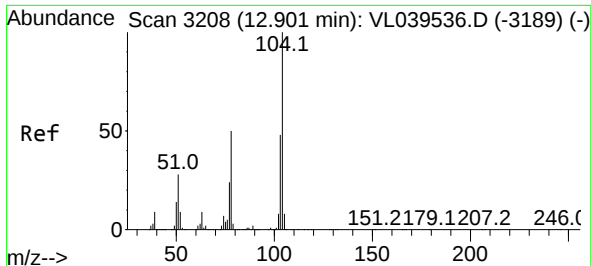
Tgt Ion: 91 Resp: 2528412

Ion Ratio Lower Upper

91 100

106 44.5 22.4 67.3

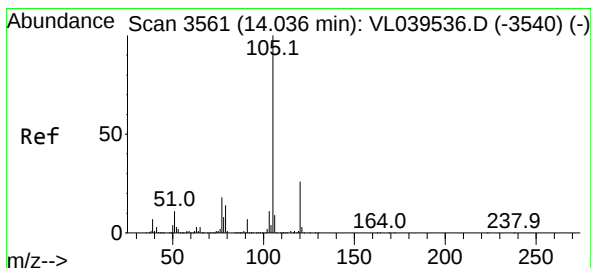
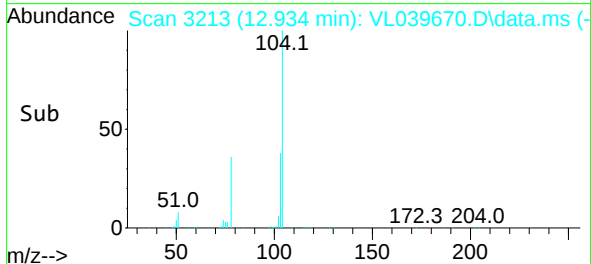
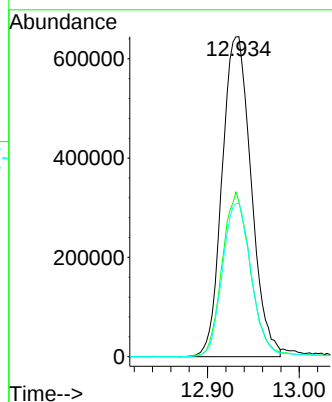
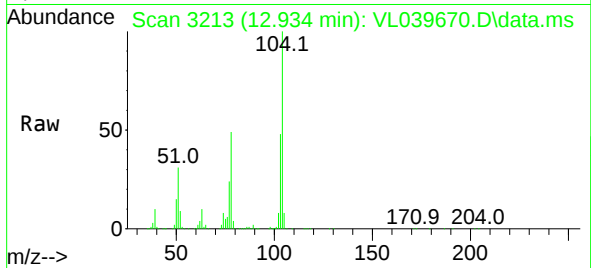




#61  
Styrene  
Concen: 8.302 ppbv  
RT: 12.934 min Scan# 3189  
Delta R.T. 0.033 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

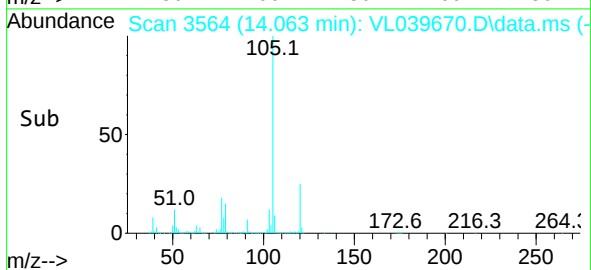
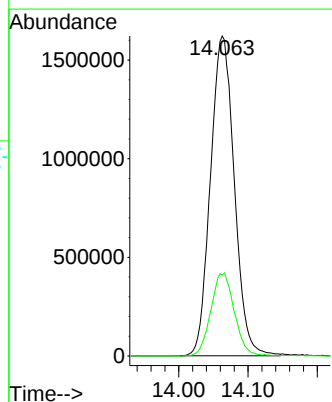
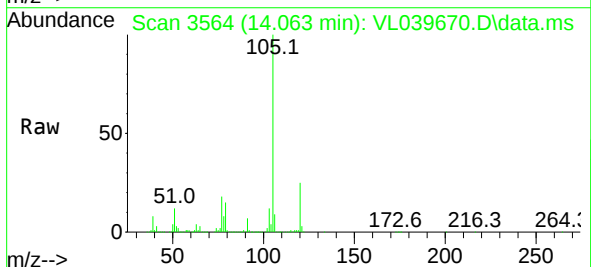
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

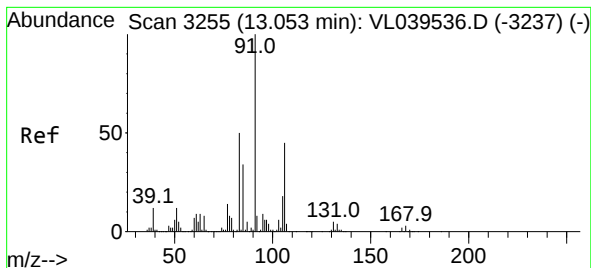
Tgt Ion:104 Resp: 1418014  
Ion Ratio Lower Upper  
104 100  
78 50.6 41.2 61.8  
103 48.4 38.7 58.1



#62  
Isopropylbenzene  
Concen: 8.129 ppbv  
RT: 14.063 min Scan# 3564  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:105 Resp: 3879690  
Ion Ratio Lower Upper  
105 100  
120 25.7 20.7 31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 12.158 ppbv

RT: 13.079 min Scan# 31

Delta R.T. 0.026 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01

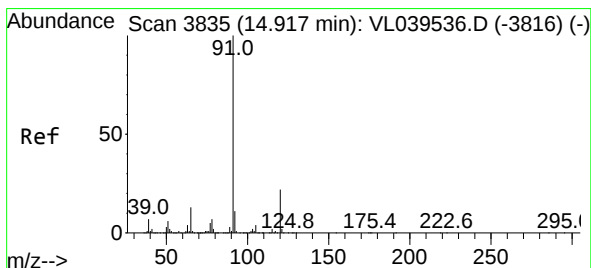
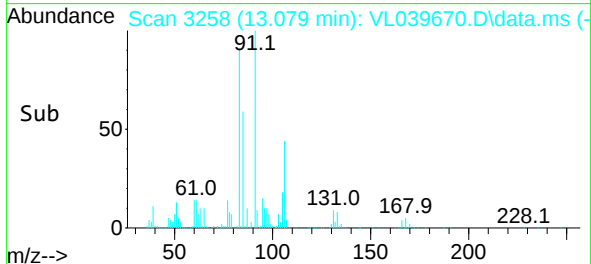
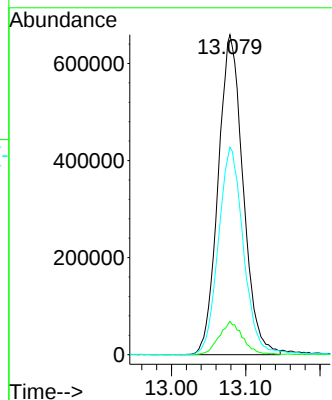
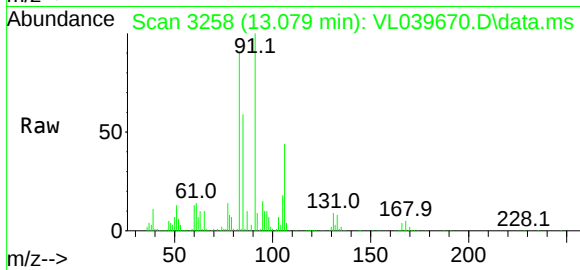
Tgt Ion: 83 Resp: 1538090

Ion Ratio Lower Upper

83 100

131 9.9 5.3 15.8

85 65.6 33.1 99.5



#64

n-propylbenzene

Concen: 8.195 ppbv

RT: 14.950 min Scan# 3840

Delta R.T. 0.033 min

Lab File: VL039670.D

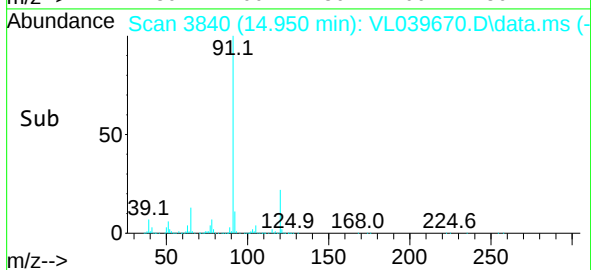
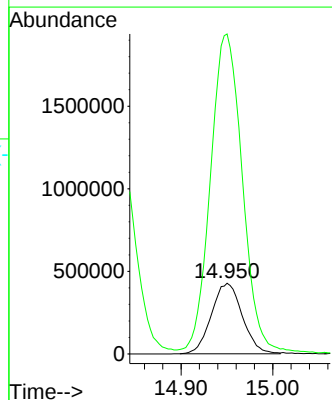
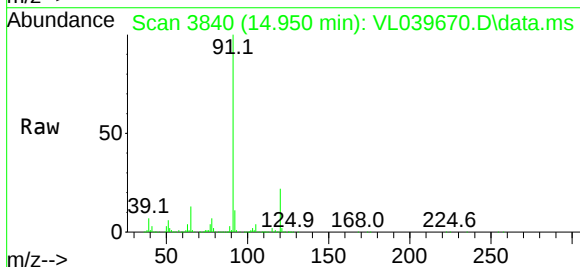
Acq: 22 Sep 2022 17:41

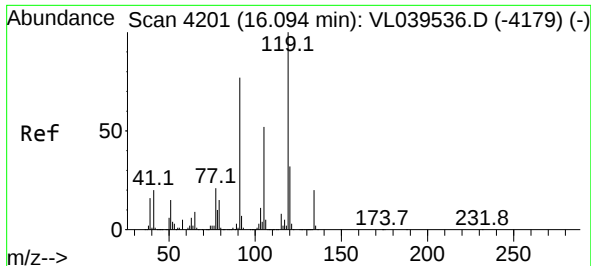
Tgt Ion:120 Resp: 1001516

Ion Ratio Lower Upper

120 100

91 471.6 367.2 550.8

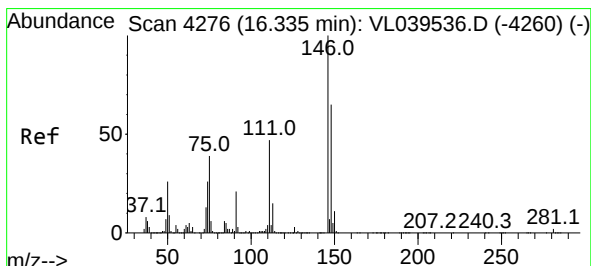
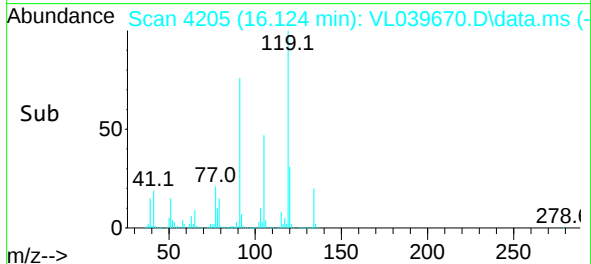
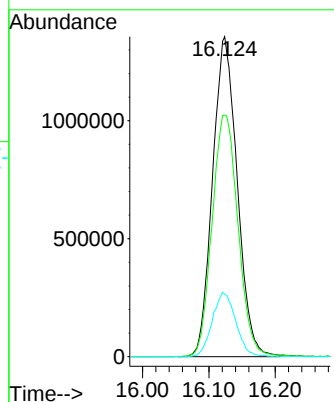
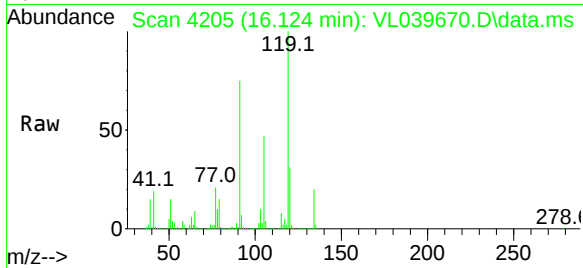




#65  
tert-Butylbenzene  
Concen: 8.293 ppbv  
RT: 16.124 min Scan# 4179  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

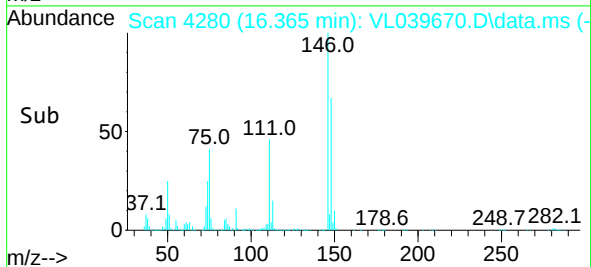
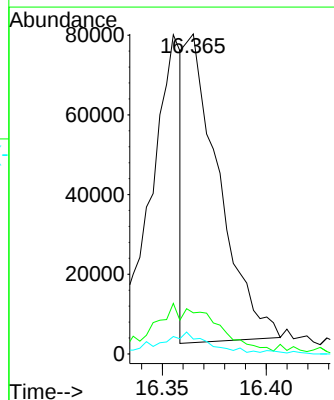
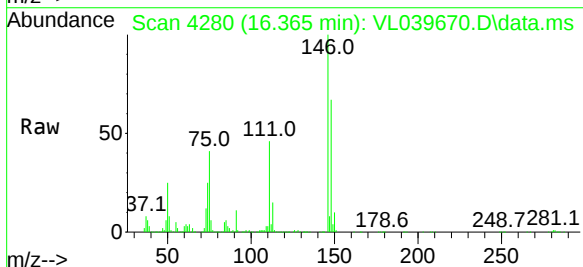
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

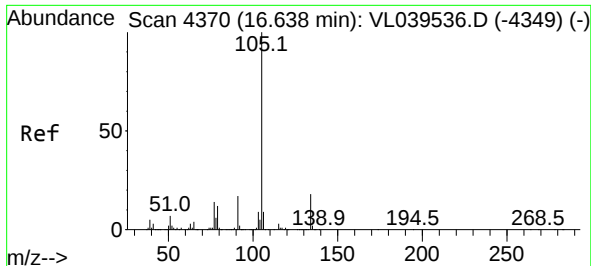
Tgt Ion:119 Resp: 3496684  
Ion Ratio Lower Upper  
119 100  
91 79.6 63.4 95.2  
134 19.3 15.9 23.9



#66  
Benzyl Chloride  
Concen: 2.645 ppbv  
RT: 16.365 min Scan# 4280  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 91 Resp: 88780  
Ion Ratio Lower Upper  
91 100  
126 0.0 13.1 19.7#  
128 11.4 4.4 6.6#

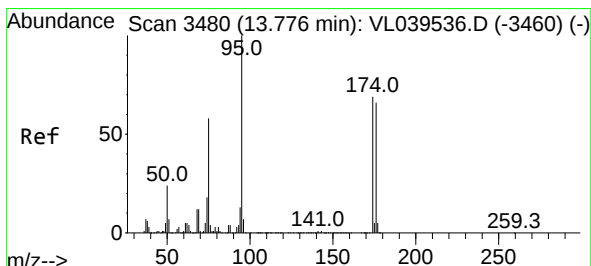
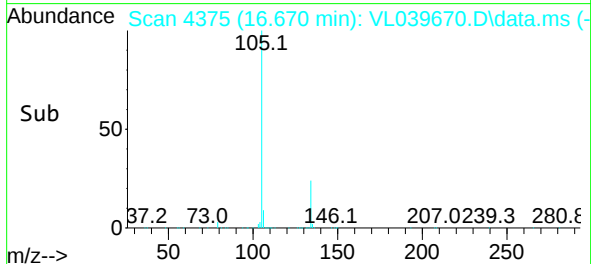
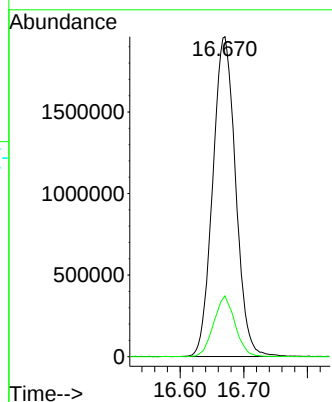
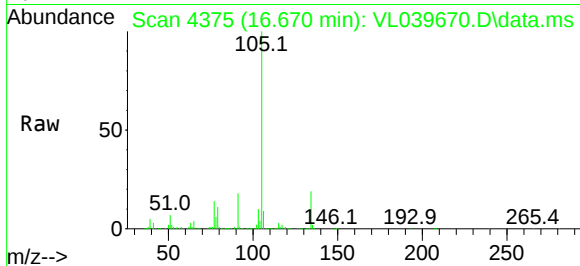




#67  
 sec-Butylbenzene  
 Concen: 8.281 ppbv  
 RT: 16.670 min Scan# 41  
 Delta R.T. 0.033 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

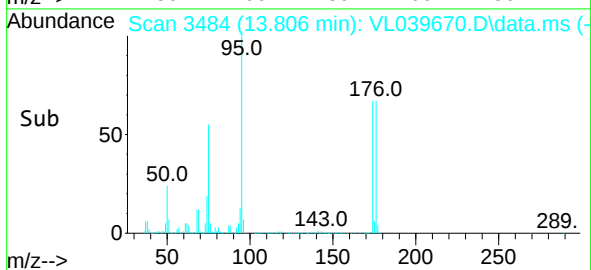
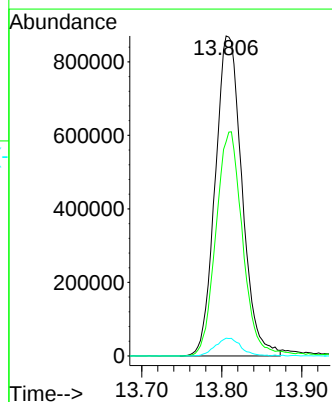
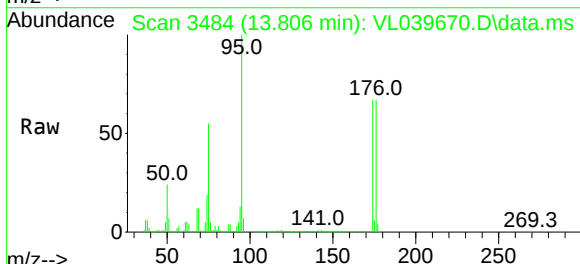
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

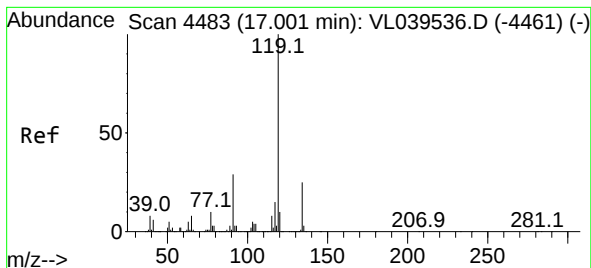
Tgt Ion:105 Resp: 4897441  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.8 22.2



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.372 ppbv  
 RT: 13.806 min Scan# 3484  
 Delta R.T. 0.030 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion: 95 Resp: 2022699  
 Ion Ratio Lower Upper  
 95 100  
 174 71.0 55.9 83.9  
 175 5.4 4.2 6.4





#69

p-Isopropyltoluene

Concen: 8.546 ppbv

RT: 17.030 min Scan# 4483

Delta R.T. 0.030 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_1

ClientSampleId :

VL0922ABS01

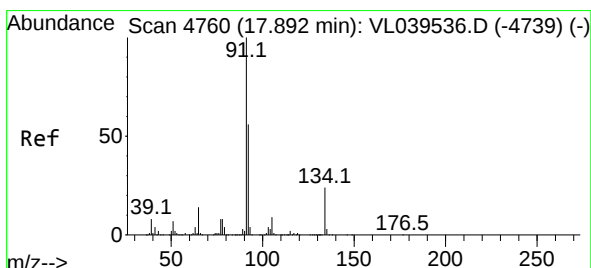
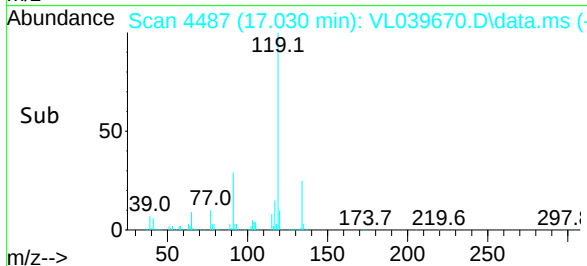
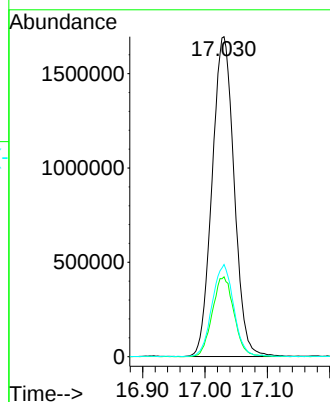
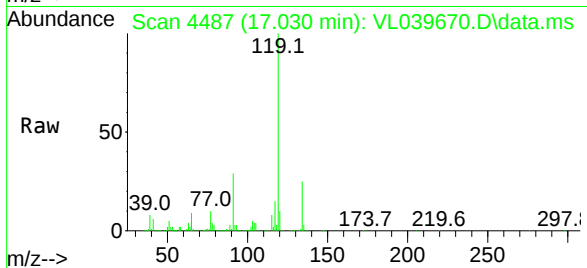
Tgt Ion:119 Resp: 4152994

Ion Ratio Lower Upper

119 100

134 24.6 20.3 30.5

91 28.3 22.9 34.3



#70

n-Butylbenzene

Concen: 8.683 ppbv

RT: 17.921 min Scan# 4764

Delta R.T. 0.029 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

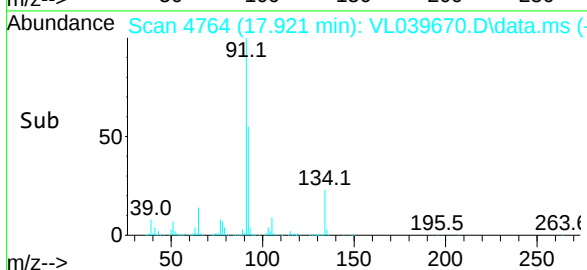
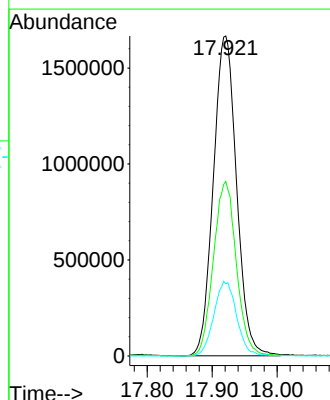
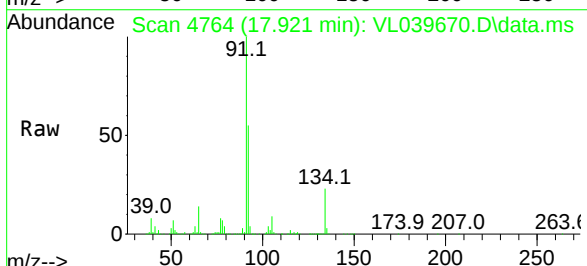
Tgt Ion: 91 Resp: 4136191

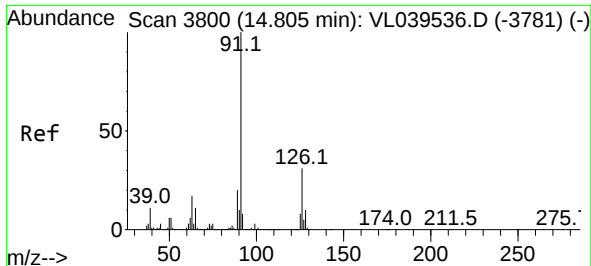
Ion Ratio Lower Upper

91 100

92 53.8 43.4 65.2

134 22.9 18.9 28.3

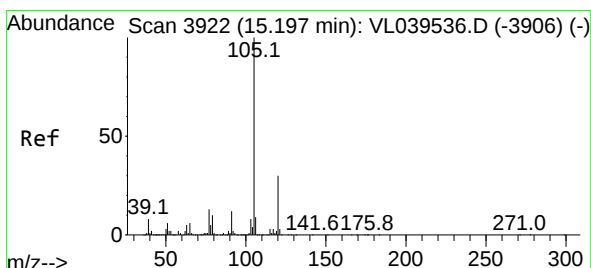
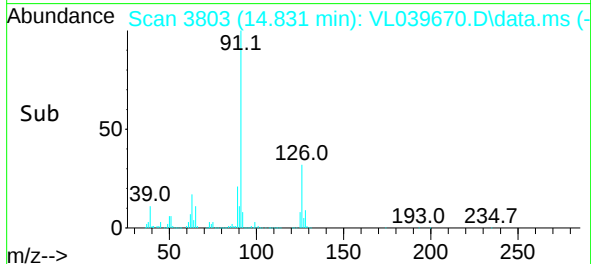
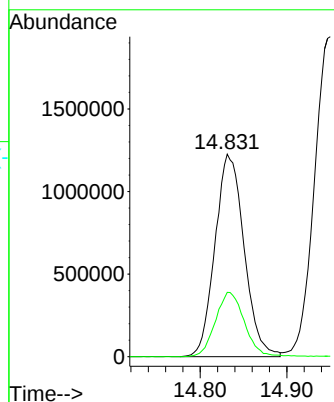
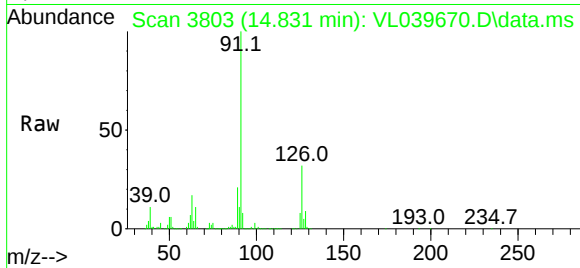




#71  
2-Chlorotoluene  
Concen: 8.300 ppbv  
RT: 14.831 min Scan# 3803  
Delta R.T. 0.026 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

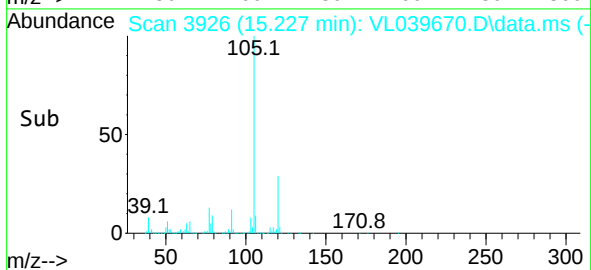
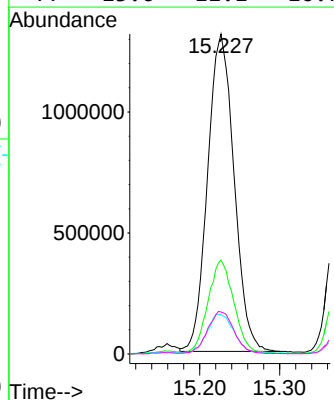
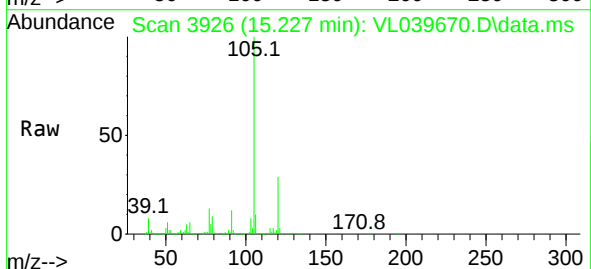
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

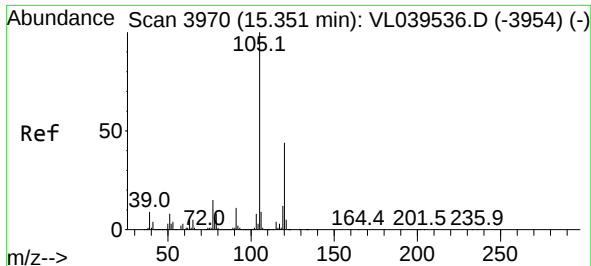
Tgt Ion: 91 Resp: 2859874  
Ion Ratio Lower Upper  
91 100  
126 31.9 13.0 51.8



#72  
4-Ethyltoluene  
Concen: 8.328 ppbv  
RT: 15.227 min Scan# 3926  
Delta R.T. 0.030 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion: 105 Resp: 3015109  
Ion Ratio Lower Upper  
105 100  
120 29.2 24.2 36.2  
91 12.9 10.2 15.4  
77 13.6 11.1 16.7

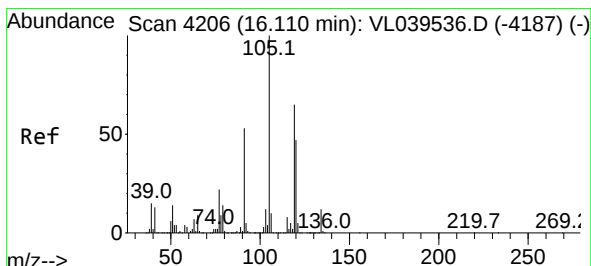
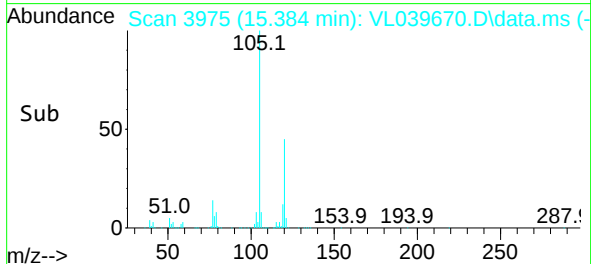
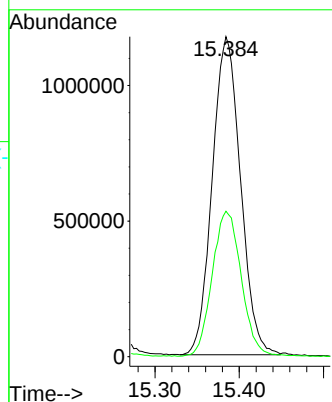
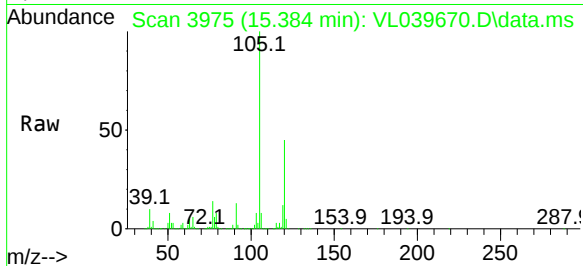




#73  
 1,3,5-Trimethylbenzene  
 Concen: 8.242 ppbv  
 RT: 15.384 min Scan# 3970  
 Delta R.T. 0.033 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

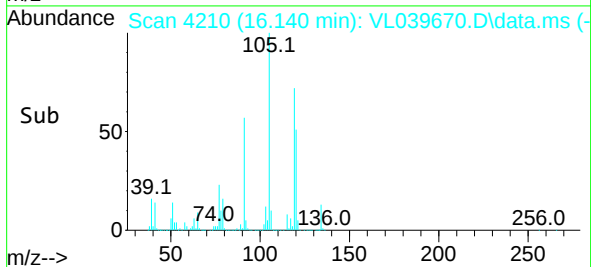
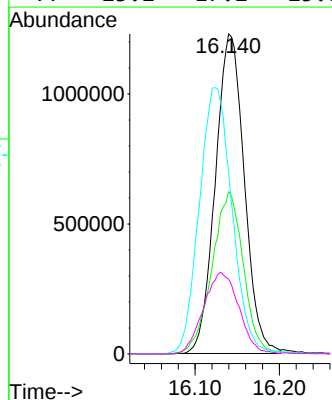
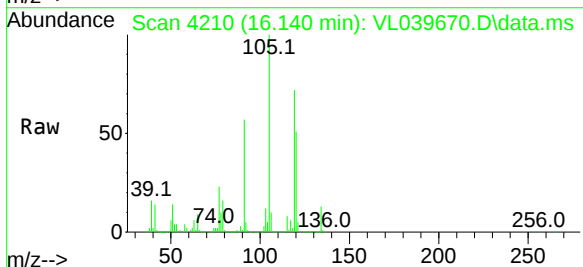
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0922ABS01

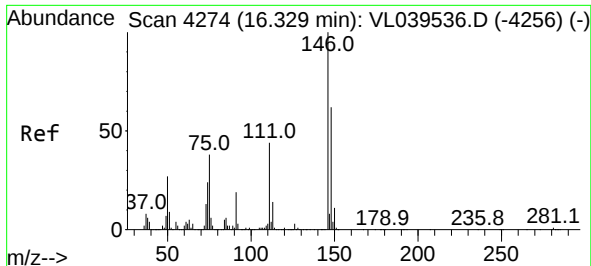
Tgt Ion:105 Resp: 2730555  
 Ion Ratio Lower Upper  
 105 100  
 120 45.6 38.2 57.4



#74  
 1,2,4-Trimethylbenzene  
 Concen: 7.885 ppbv  
 RT: 16.140 min Scan# 4210  
 Delta R.T. 0.030 min  
 Lab File: VL039670.D  
 Acq: 22 Sep 2022 17:41

Tgt Ion:105 Resp: 2928356  
 Ion Ratio Lower Upper  
 105 100  
 120 50.4 39.5 59.3  
 91 56.0 39.2 58.8  
 77 23.2 17.2 25.8

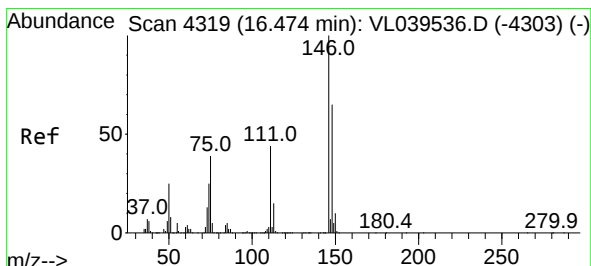
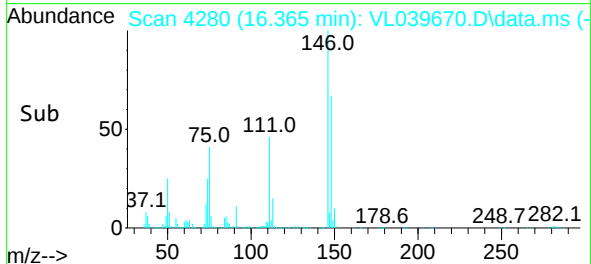
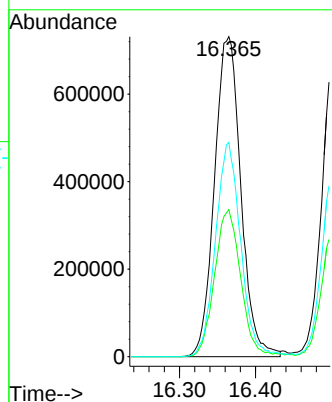
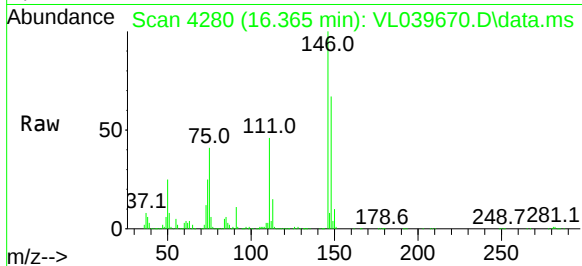




#75  
1,3-Dichlorobenzene  
Concen: 7.956 ppbv  
RT: 16.365 min Scan# 41  
Delta R.T. 0.036 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

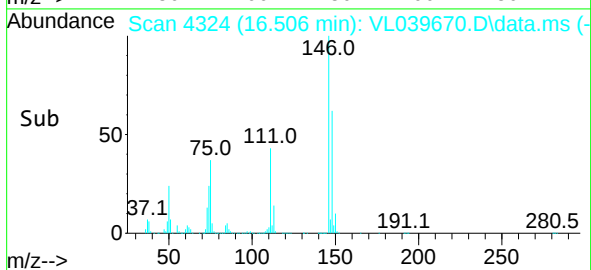
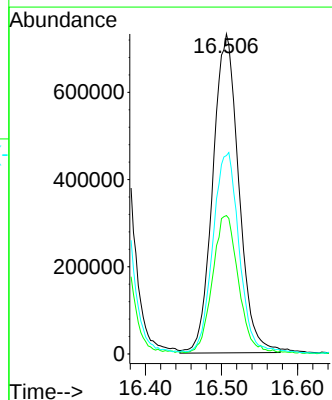
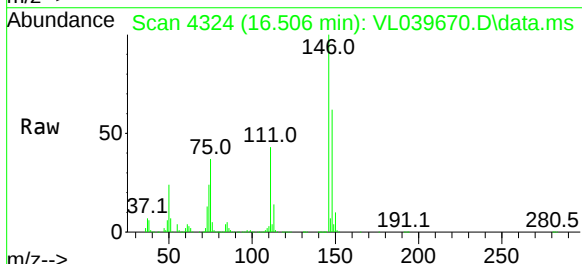
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

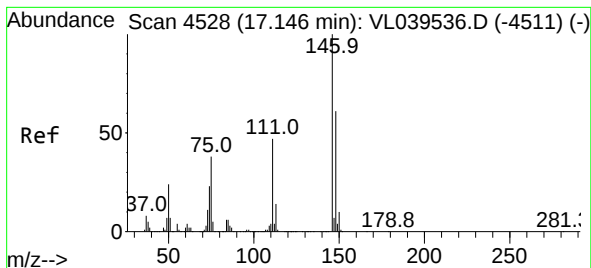
Tgt Ion:146 Resp: 1763043  
Ion Ratio Lower Upper  
146 100  
111 45.6 22.9 68.7  
148 64.0 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 7.841 ppbv  
RT: 16.506 min Scan# 4324  
Delta R.T. 0.033 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:146 Resp: 1738017  
Ion Ratio Lower Upper  
146 100  
111 44.3 22.9 68.8  
148 64.4 33.6 100.8





#77

1,2-Dichlorobenzene

Concen: 8.093 ppbv

RT: 17.175 min Scan# 4532

Delta R.T. 0.030 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01

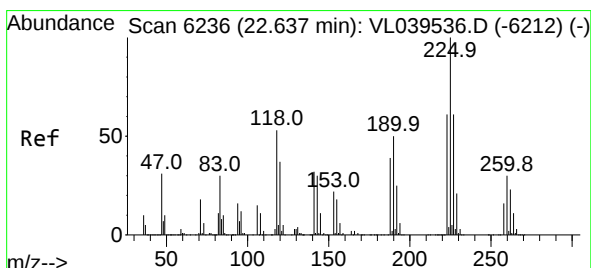
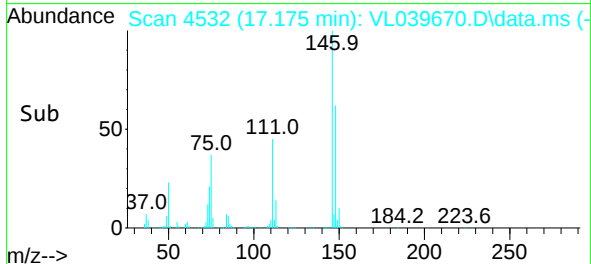
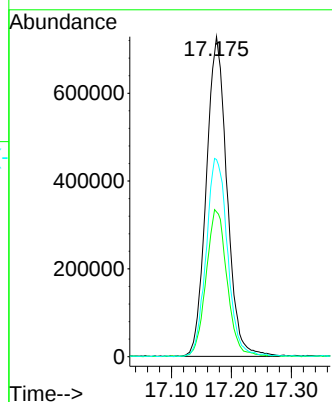
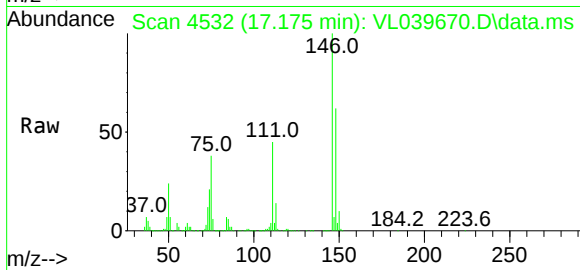
Tgt Ion:146 Resp: 1748819

Ion Ratio Lower Upper

146 100

111 47.0 23.8 71.5

148 64.5 32.3 96.8



#78

Hexachloro-1,3-Butadiene

Concen: 7.767 ppbv

RT: 22.664 min Scan# 6239

Delta R.T. 0.026 min

Lab File: VL039670.D

Acq: 22 Sep 2022 17:41

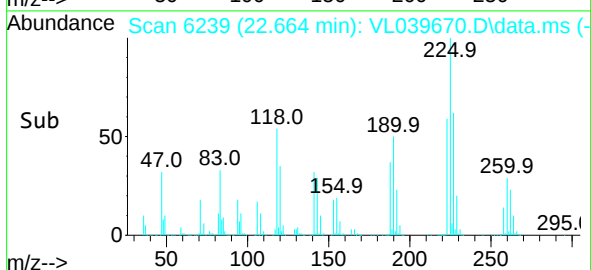
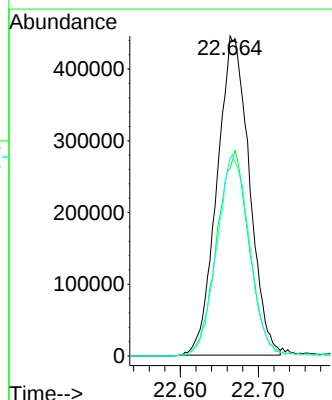
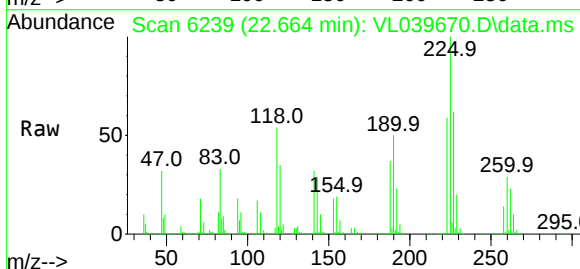
Tgt Ion:225 Resp: 1282421

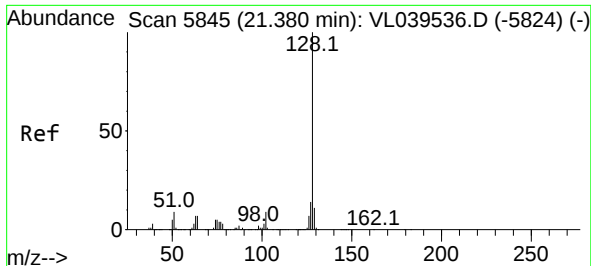
Ion Ratio Lower Upper

225 100

223 64.9 51.8 77.6

227 64.1 51.4 77.2

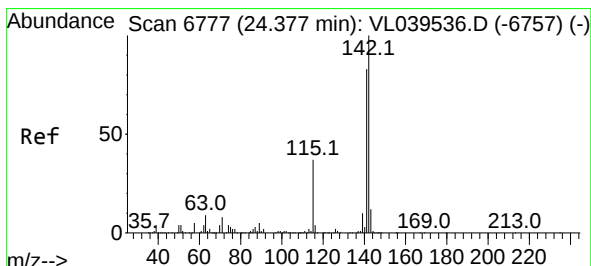
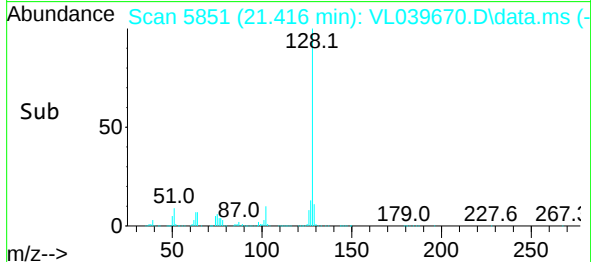
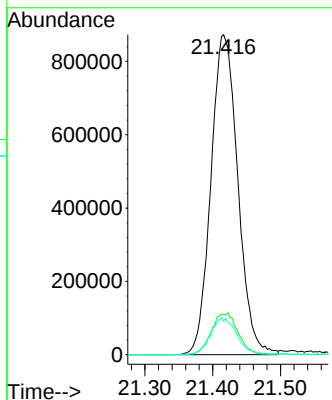
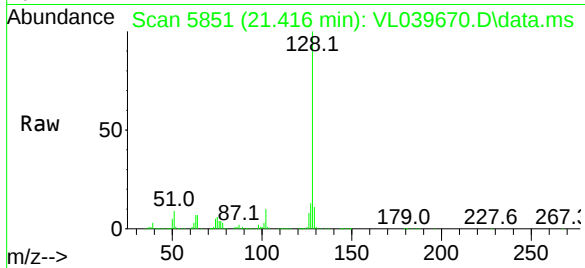




#79  
Naphthalene  
Concen: 9.815 ppbv  
RT: 21.416 min Scan# 5851  
Delta R.T. 0.036 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

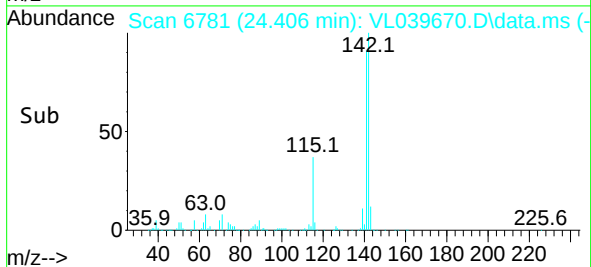
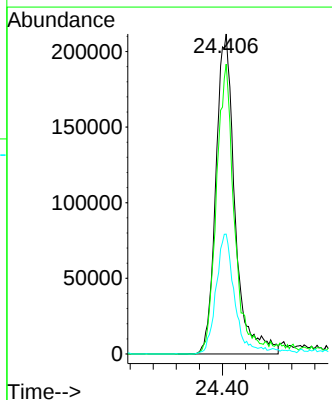
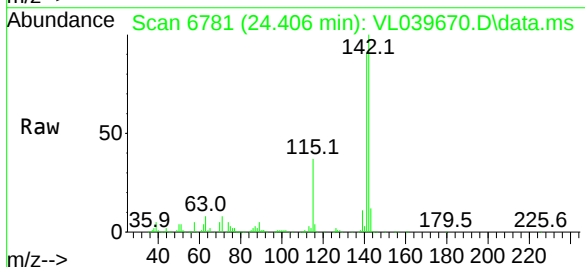
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0922ABS01

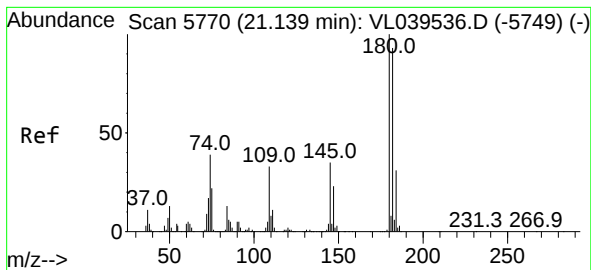
Tgt Ion:128 Resp: 2405519  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.6 15.8  
129 10.5 8.8 13.2



#80  
Naphthalene,2-methyl-  
Concen: 5.258 ppbv  
RT: 24.406 min Scan# 6781  
Delta R.T. 0.029 min  
Lab File: VL039670.D  
Acq: 22 Sep 2022 17:41

Tgt Ion:142 Resp: 484526  
Ion Ratio Lower Upper  
142 100  
141 88.8 68.9 103.3  
115 37.9 30.0 45.0





#81

1,2,4-Trichlorobenzene

Concen: 8.426 ppbv

RT: 21.175 min Scan# 51

Delta R.T. 0.036 min

Lab File: VL039670.D

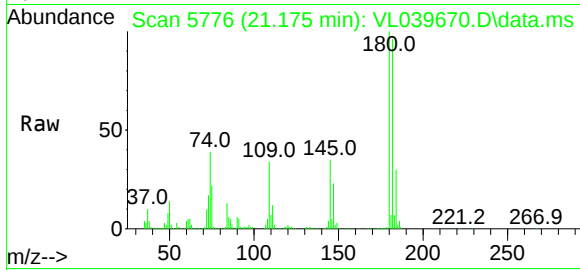
Acq: 22 Sep 2022 17:41

Instrument :

MSVOA\_L

ClientSampleId :

VL0922ABS01



Tgt Ion:180 Resp: 1356415

Ion Ratio Lower Upper

180 100

182 97.1 77.1 115.7

184 30.6 24.3 36.5

