

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101022\  
 Data File : VL039703.D  
 Acq On : 10 Oct 2022 20:18  
 Operator : SY/AP  
 Sample : N5065-02DUP  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Quant Time: Oct 11 07:21:02 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL091922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Sep 19 14:26:28 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.195  | 49   | 1074470  | 10.000 | ppbv  | -0.01    |
| 33) 1,4-Difluorobenzene | 6.651  | 114  | 2708130  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.455 | 117  | 2422999  | 10.000 | ppbv  | -0.02    |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.764 | 95    | 1825976  | 10.095   | ppbv | -0.01    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.000% |

| Target Compounds              |        |     |          |          |        | Qvalue |
|-------------------------------|--------|-----|----------|----------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.748  | 85  | 23042    | 0.185    | ppbv   | 94     |
| 3) Chlorodifluoromethane      | 2.890  | 51  | 15807    | 0.124    | ppbv   | 95     |
| 4) Chloromethane              | 2.825  | 50  | 32860    | 0.427    | ppbv   | 91     |
| 9) Propene                    | 2.716  | 41  | 210064   | 3.607    | ppbv   | 83     |
| 10) Heptane                   | 7.574  | 43  | 61880    | 0.455    | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.571  | 101 | 15523    | 0.101    | ppbv   | 93     |
| 12) 1,1,2-Trichlorotrifluo... | 4.073  | 101 | 7425     | 0.064    | ppbv   | 96     |
| 13) Ethanol                   | 3.266  | 45  | 11749369 | 2647.929 | ppbv   | 73     |
| 15) Acetone                   | 3.475  | 43  | 14027940 | 117.328  | ppbv # | 85     |
| 16) 1,3-Butadiene             | 2.983  | 39  | 30290    | 0.499    | ppbv # | 62     |
| 17) tert-Butyl alcohol        | 3.603  | 59  | 899796   | 8.386    | ppbv   | 95     |
| 19) Isopropyl Alcohol         | 3.607  | 45  | 18252750 | 299.495  | ppbv # | 93     |
| 20) Methylene Chloride        | 3.944  | 84  | 189262   | 3.424    | ppbv   | 96     |
| 21) Allyl Chloride            | 3.742  | 41  | 134389   | 1.651    | ppbv # | 19     |
| 23) Vinyl Acetate             | 4.619  | 43  | 61383    | 1.136    | ppbv # | 1      |
| 25) Ethyl Acetate             | 5.211  | 43  | 336058   | 1.289    | ppbv # | 96     |
| 26) Hexane                    | 5.214  | 57  | 211459   | 1.911    | ppbv # | 74     |
| 27) Carbon Disulfide          | 4.131  | 76  | 27495    | 0.236    | ppbv # | 63     |
| 29) Chloroform                | 5.282  | 83  | 521188   | 3.263    | ppbv   | 97     |
| 30) Cyclohexane               | 6.587  | 84  | 8784     | 0.103    | ppbv # | 1      |
| 34) 2-Butanone                | 4.796  | 43  | 89562    | 0.673    | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.487  | 117 | 4973     | 0.035    | ppbv # | 41     |
| 36) Benzene                   | 6.369  | 78  | 359746   | 1.738    | ppbv # | 93     |
| 39) 1,2-Dichloropropane       | 6.651  | 63  | 666864   | 8.341    | ppbv # | 24     |
| 41) Tetrahydrofuran           | 5.568  | 42  | 4370     | 0.054    | ppbv # | 69     |
| 43) Methyl Methacrylate       | 7.471  | 69  | 79791    | 1.057    | ppbv # | 78     |
| 44) 2,2,4-Trimethylpentane    | 7.317  | 57  | 283230   | 0.794    | ppbv # | 87     |
| 53) Toluene                   | 9.214  | 91  | 519515   | 2.256    | ppbv   | 100    |
| 58) Ethyl Benzene             | 12.079 | 91  | 232039   | 0.831    | ppbv   | 89     |
| 59) m/p-Xylene                | 12.352 | 91  | 292640   | 1.177    | ppbv # | 32     |
| 60) o-Xylene                  | 13.047 | 91  | 304444   | 1.282    | ppbv   | 100    |
| 61) Styrene                   | 12.883 | 104 | 13952    | 0.109    | ppbv # | 27     |
| 62) Isopropylbenzene          | 14.015 | 105 | 42649    | 0.119    | ppbv # | 87     |
| 64) n-propylbenzene           | 14.899 | 120 | 13649    | 0.149    | ppbv # | 1      |
| 69) p-Isopropyltoluene        | 16.982 | 119 | 72436    | 0.199    | ppbv # | 64     |
| 72) 4-Ethyltoluene            | 15.178 | 105 | 193500   | 0.714    | ppbv   | 94     |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105 | 149105   | 0.601    | ppbv   | 95     |
| 74) 1,2,4-Trimethylbenzene    | 16.092 | 105 | 536168   | 1.929    | ppbv # | 70     |
| 76) 1,4-Dichlorobenzene       | 16.455 | 146 | 8072     | 0.049    | ppbv # | 41     |
| 79) Naphthalene               | 21.361 | 128 | 15500    | 0.084    | ppbv # | 95     |
| 80) Naphthalene,2-methyl-     | 24.381 | 142 | 3642     | 0.053    | ppbv # | 42     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL101022\  
Data File : VL039703.D  
Acq On : 10 Oct 2022 20:18  
Operator : SY/AP  
Sample : N5065-02DUP  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

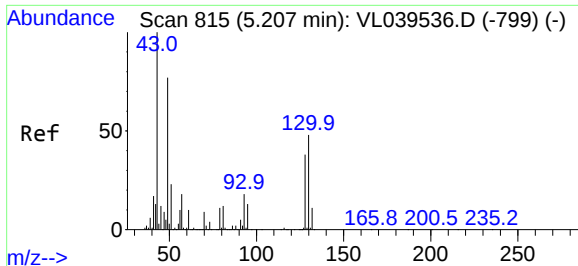
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

Quant Time: Oct 11 07:21:02 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) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

Quant Time: Oct 11 07:21:02 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

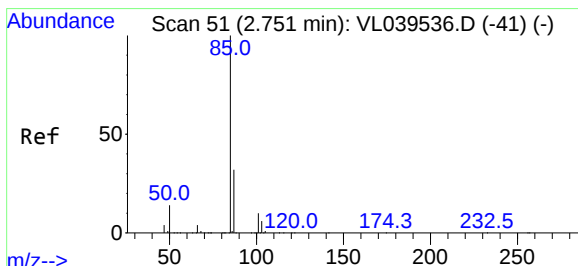
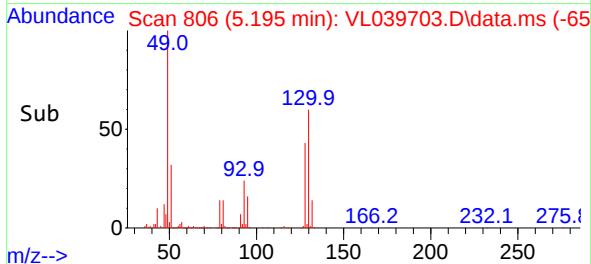
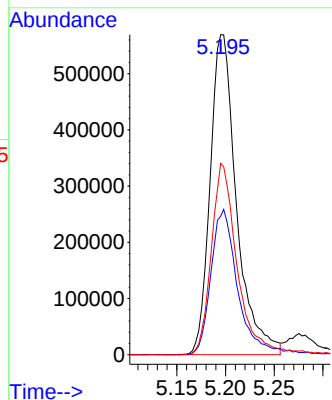
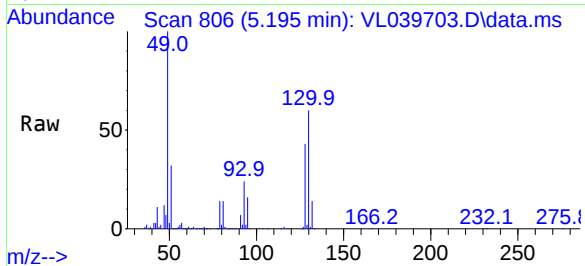




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.195 min Scan# 80  
Delta R.T. -0.012 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

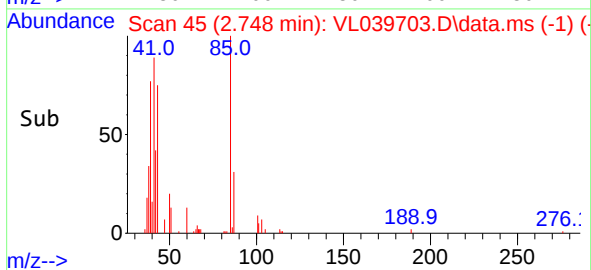
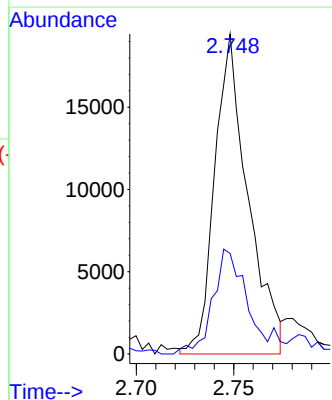
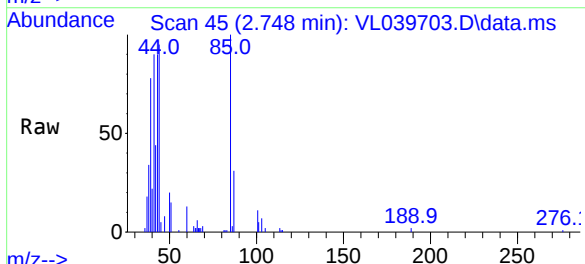
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

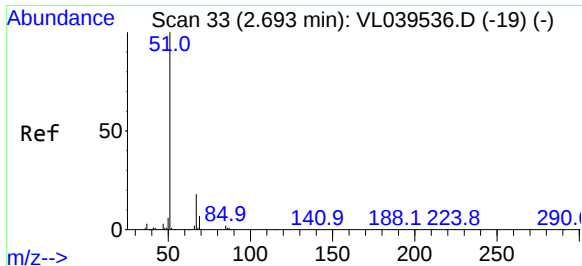
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Ion Ratio Lower Upper  
49 100  
128 46.6 26.7 80.0  
130 59.4 34.3 102.8



#2  
Dichlorodifluoromethane  
Concen: 0.185 ppbv  
RT: 2.748 min Scan# 45  
Delta R.T. -0.003 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 85 Resp: 23042  
Ion Ratio Lower Upper  
85 100  
87 30.3 26.7 40.1





#3  
Chlorodifluoromethane  
Concen: 0.124 ppbv  
RT: 2.890 min Scan# 89  
Delta R.T. 0.197 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

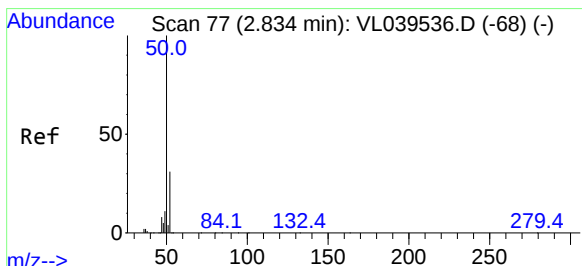
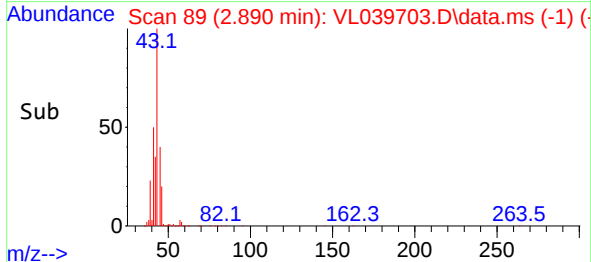
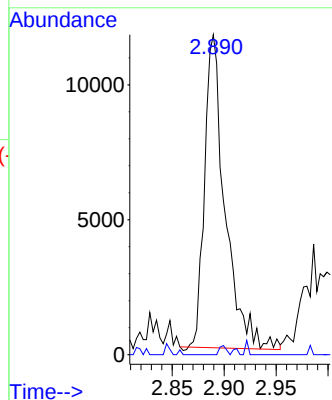
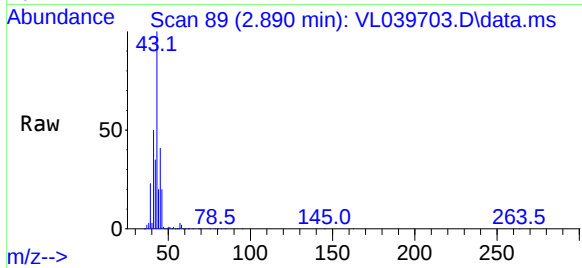
Instrument :

MSVOA\_L

ClientSampleId :

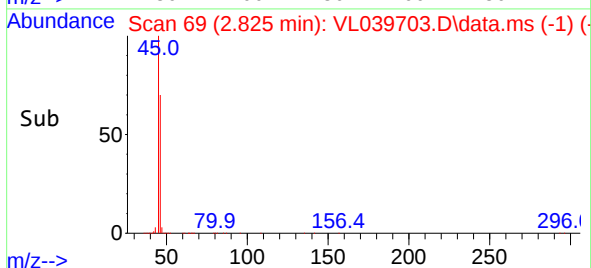
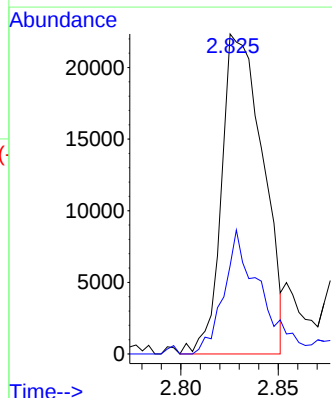
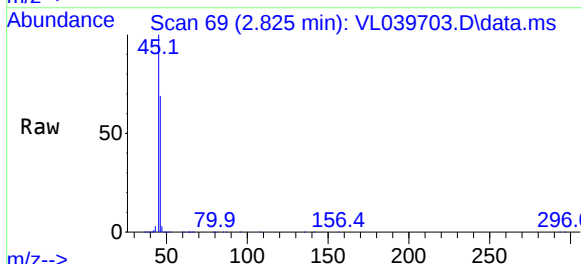
IA1

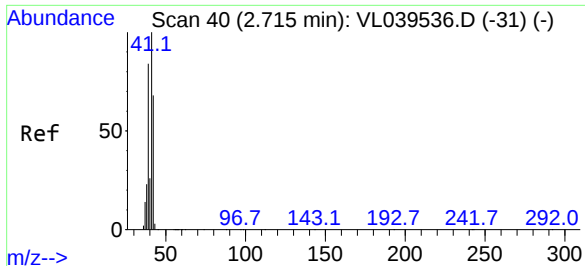
Tgt Ion: 51 Resp: 15807  
Ion Ratio Lower Upper  
51 100  
67 17.4 15.7 23.5



#4  
Chloromethane  
Concen: 0.427 ppbv  
RT: 2.825 min Scan# 69  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 50 Resp: 32860  
Ion Ratio Lower Upper  
50 100  
52 28.2 26.5 39.7





#9

Propene

Concen: 3.607 ppbv

RT: 2.716 min Scan# 31

Delta R.T. 0.001 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Instrument :

MSVOA\_L

ClientSampleId :

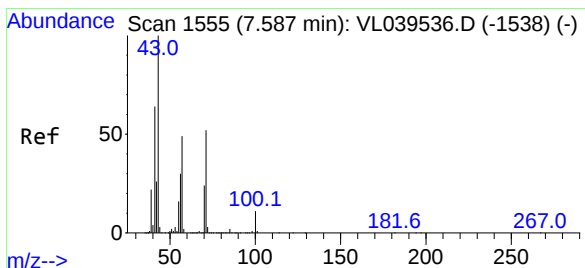
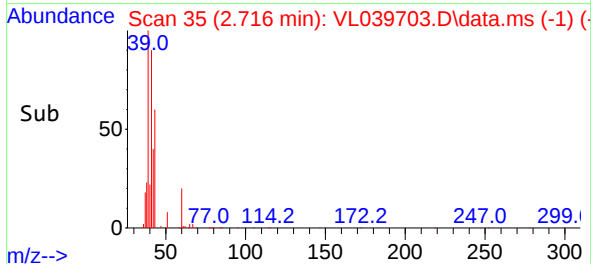
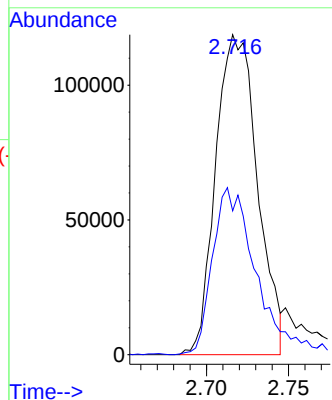
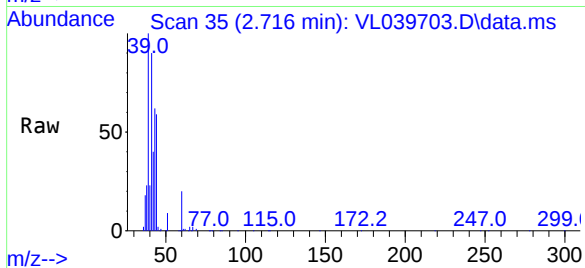
IA1

Tgt Ion: 41 Resp: 210064

Ion Ratio Lower Upper

41 100

42 55.3 55.2 82.8



#10

Heptane

Concen: 0.455 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.012 min

Lab File: VL039703.D

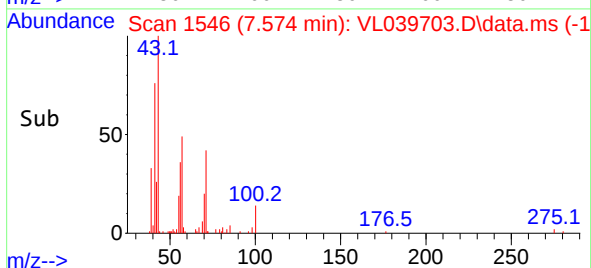
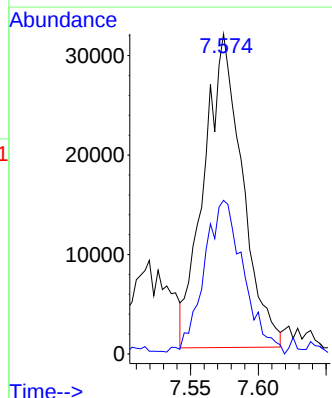
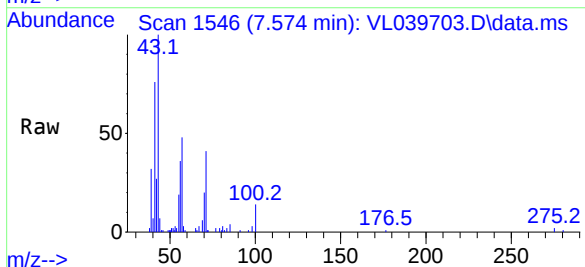
Acq: 10 Oct 2022 20:18

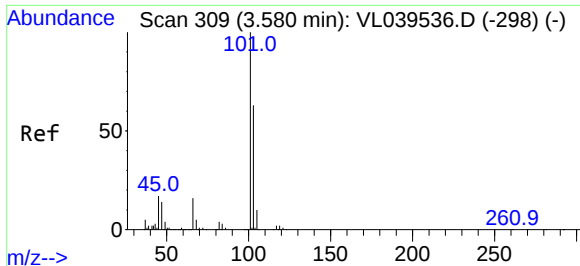
Tgt Ion: 43 Resp: 61880

Ion Ratio Lower Upper

43 100

57 51.0 40.5 60.7

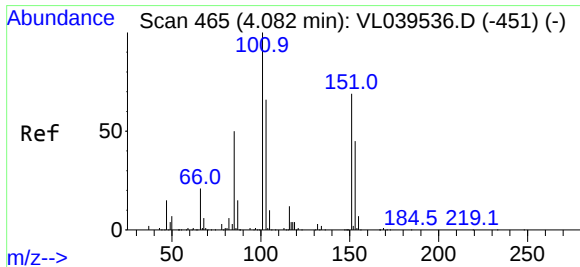
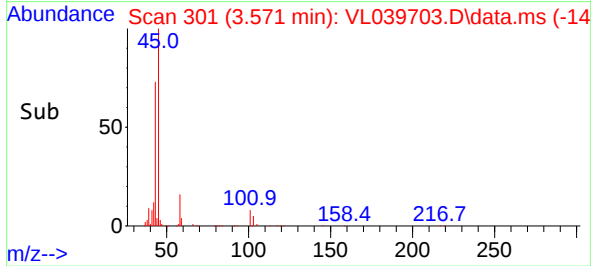
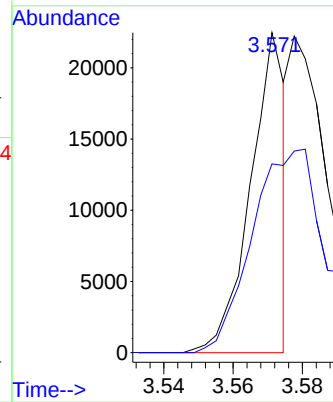
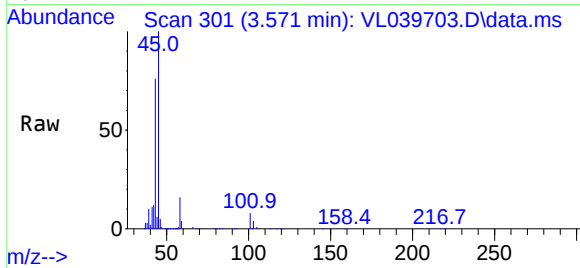




#11  
Trichlorofluoromethane  
Concen: 0.101 ppbv  
RT: 3.571 min Scan# 309  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

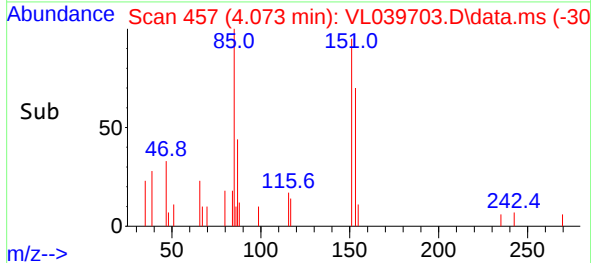
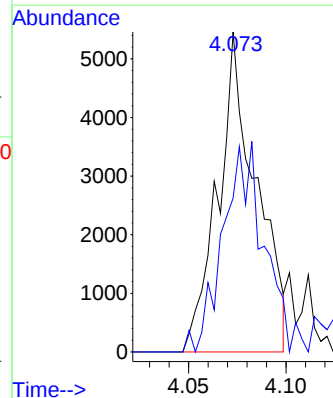
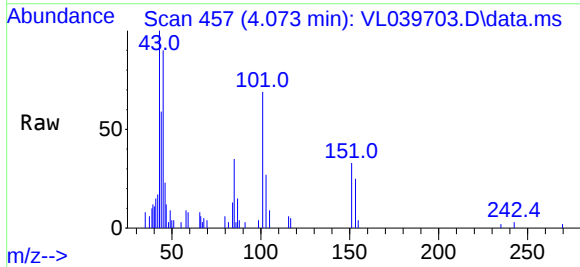
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

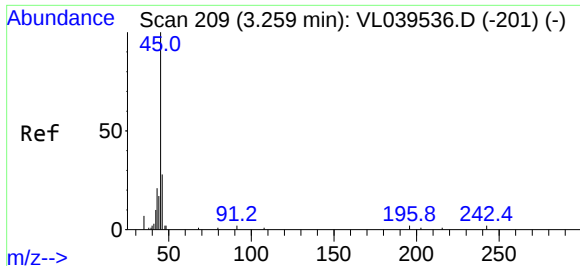
Tgt Ion:101 Resp: 15523  
Ion Ratio Lower Upper  
101 100  
103 59.0 51.8 77.8



#12  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.064 ppbv  
RT: 4.073 min Scan# 457  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion:101 Resp: 7425  
Ion Ratio Lower Upper  
101 100  
151 77.0 58.9 88.3

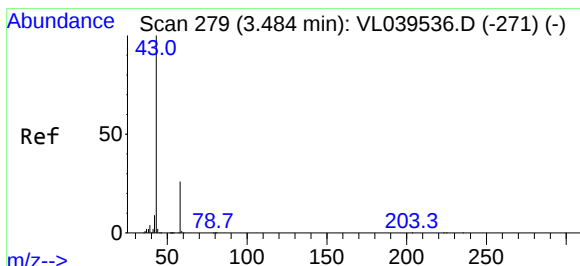
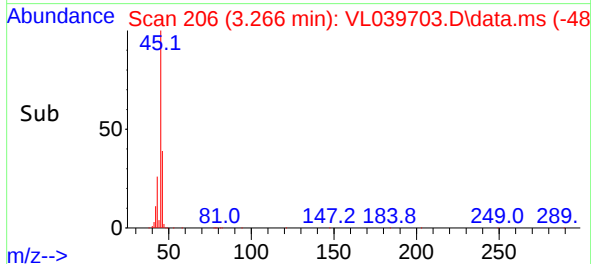
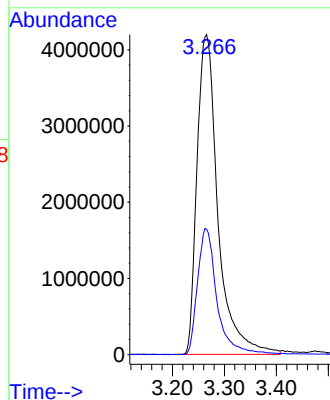
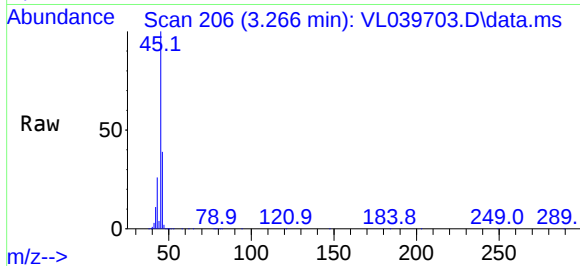




#13  
Ethanol  
Concen: 2647.929 ppbv  
RT: 3.266 min Scan# 206  
Delta R.T. 0.007 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

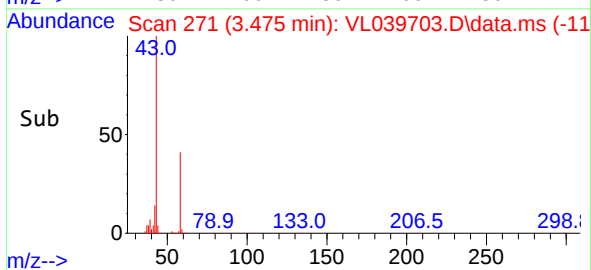
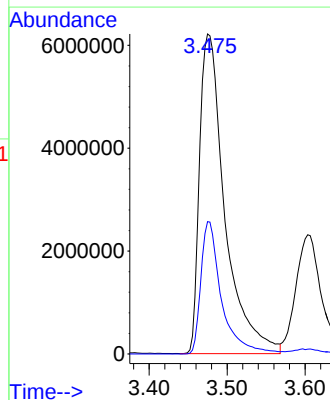
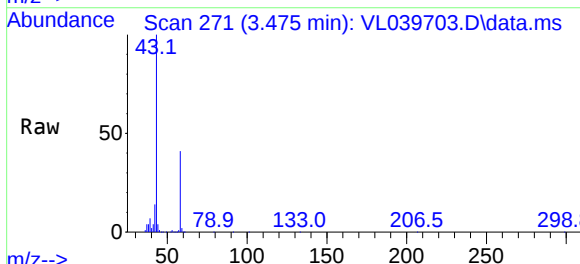
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

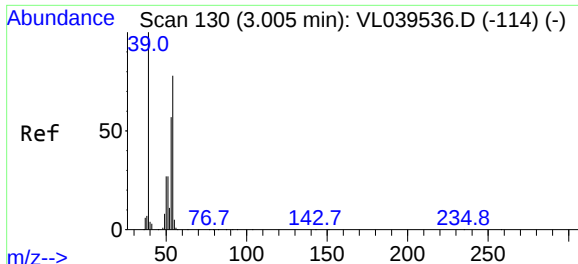
Tgt Ion: 45 Resp:11749369  
Ion Ratio Lower Upper  
45 100  
46 37.2 22.8 91.2



#15  
Acetone  
Concen: 117.328 ppbv  
RT: 3.475 min Scan# 271  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 43 Resp:14027940  
Ion Ratio Lower Upper  
43 100  
58 33.9 21.0 31.6#

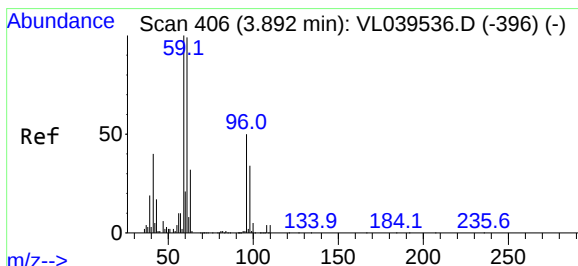
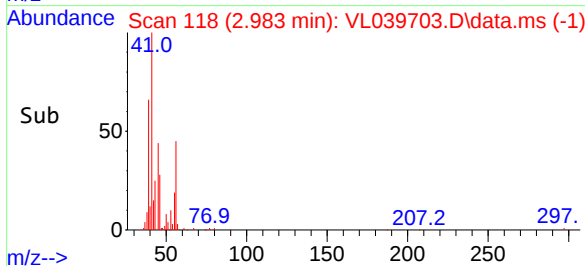
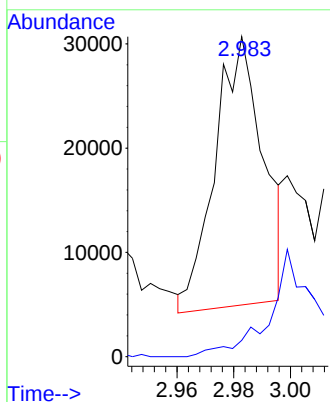
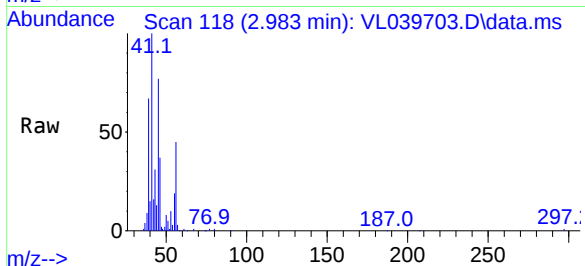




#16  
1,3-Butadiene  
Concen: 0.499 ppbv  
RT: 2.983 min Scan# 11  
Delta R.T. -0.022 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

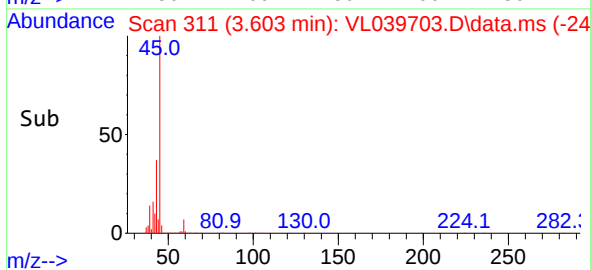
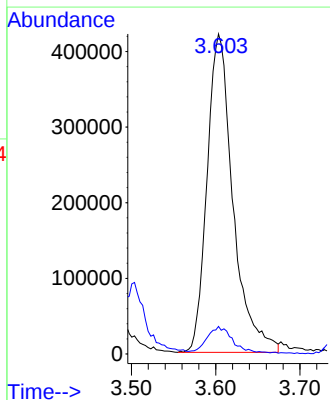
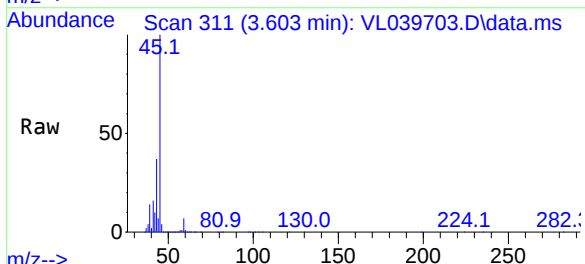
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

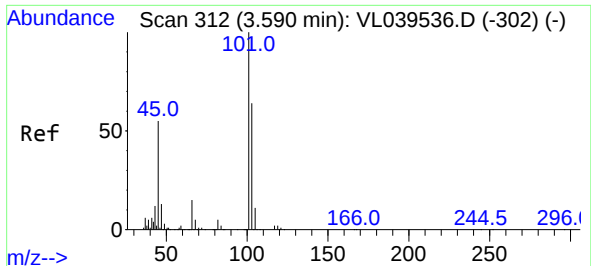
Tgt Ion: 39 Resp: 30290  
Ion Ratio Lower Upper  
39 100  
54 46.2 63.7 95.5#



#17  
tert-Butyl alcohol  
Concen: 8.386 ppbv  
RT: 3.603 min Scan# 311  
Delta R.T. -0.289 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 59 Resp: 899796  
Ion Ratio Lower Upper  
59 100  
57 9.2 8.7 13.1

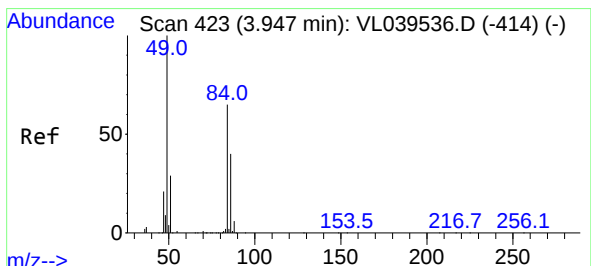
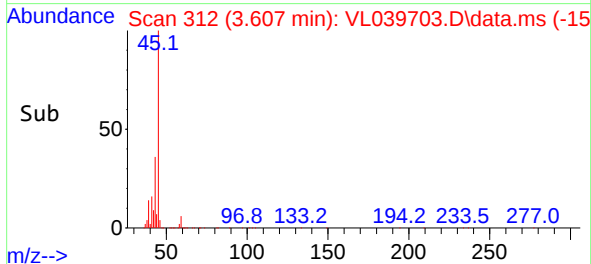
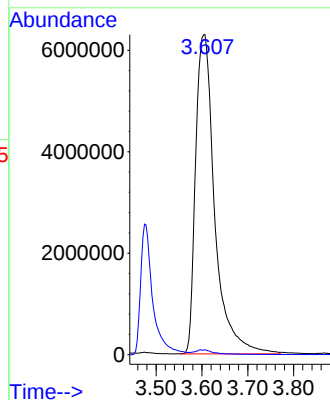
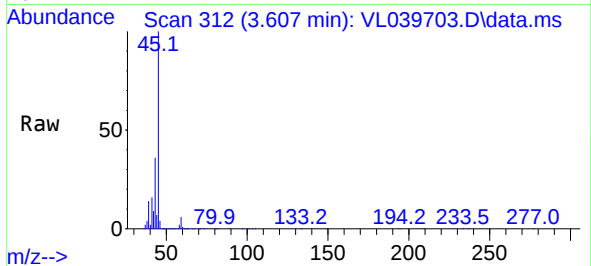




#19  
Isopropyl Alcohol  
Concen: 299.495 ppbv  
RT: 3.607 min Scan# 312  
Delta R.T. 0.017 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

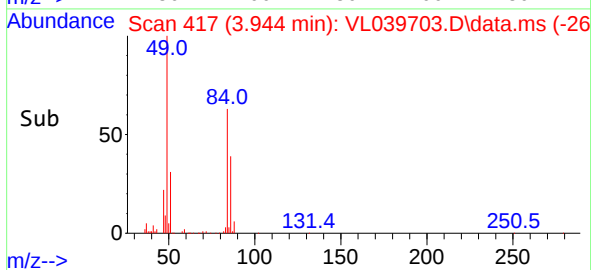
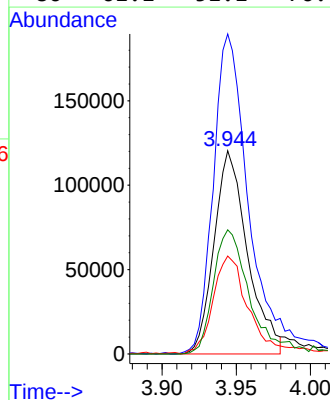
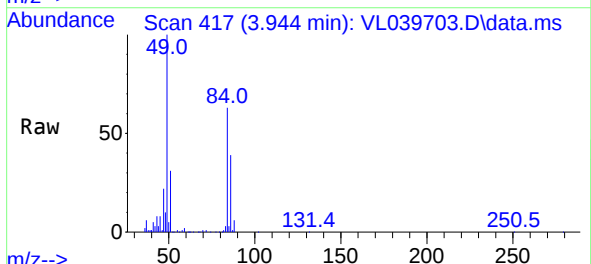
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

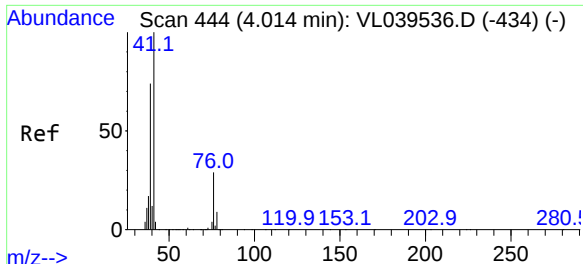
Tgt Ion: 45 Resp:18252750  
Ion Ratio Lower Upper  
45 100  
58 1.6 3.2 4.8#



#20  
Methylene Chloride  
Concen: 3.424 ppbv  
RT: 3.944 min Scan# 417  
Delta R.T. -0.003 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 84 Resp: 189262  
Ion Ratio Lower Upper  
84 100  
49 157.2 123.1 184.7  
51 47.9 34.4 51.6  
86 61.1 51.1 76.7

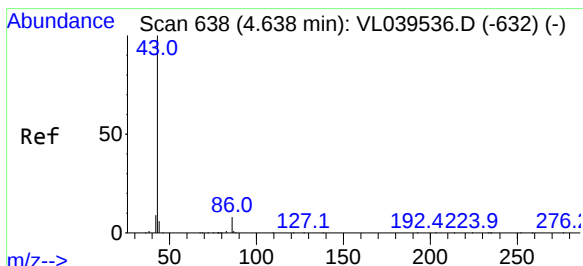
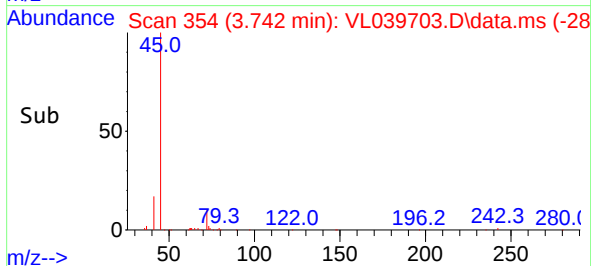
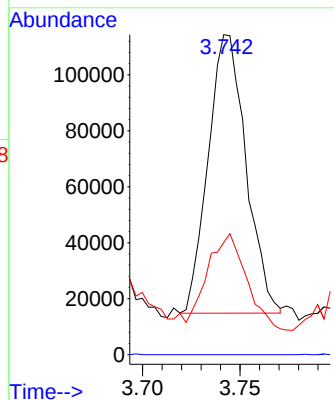
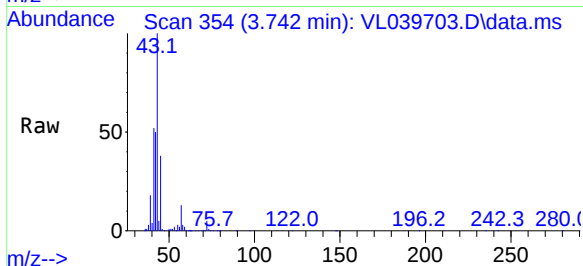




#21  
 Allyl Chloride  
 Concen: 1.651 ppbv  
 RT: 3.742 min Scan# 31  
 Delta R.T. -0.273 min  
 Lab File: VL039703.D  
 Acq: 10 Oct 2022 20:18

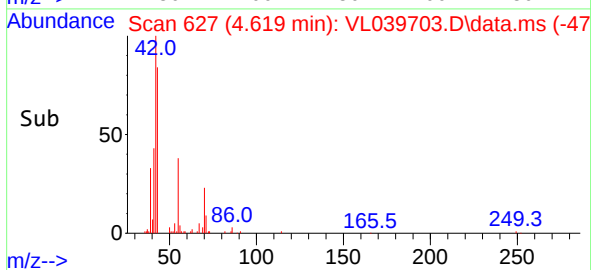
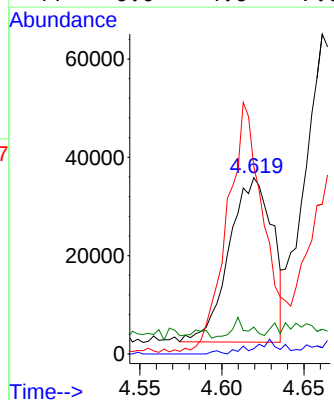
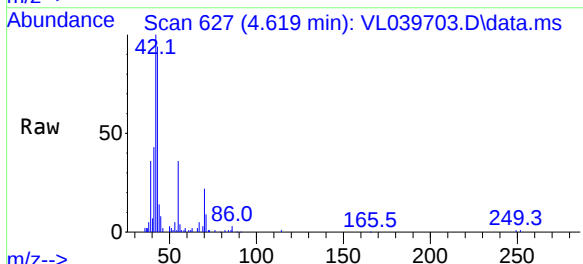
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

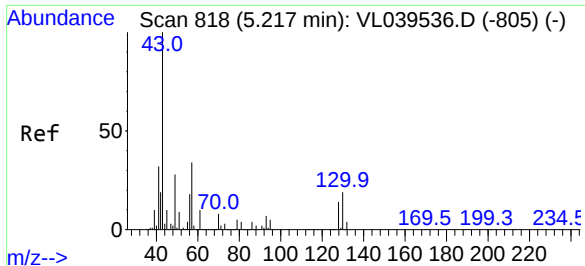
Tgt Ion: 41 Resp: 134389  
 Ion Ratio Lower Upper  
 41 100  
 76 0.0 24.4 36.6#  
 39 0.0 63.5 95.3#



#23  
 Vinyl Acetate  
 Concen: 1.136 ppbv  
 RT: 4.619 min Scan# 627  
 Delta R.T. -0.019 min  
 Lab File: VL039703.D  
 Acq: 10 Oct 2022 20:18

Tgt Ion: 43 Resp: 61383  
 Ion Ratio Lower Upper  
 43 100  
 86 3.7 5.0 7.6#  
 42 126.7 7.7 11.5#  
 44 6.0 4.6 7.0





#25

Ethyl Acetate

Concen: 1.289 ppbv

RT: 5.211 min Scan# 81

Delta R.T. -0.006 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Instrument :

MSVOA\_L

ClientSampleId :

IA1

Tgt Ion: 43 Resp: 336058

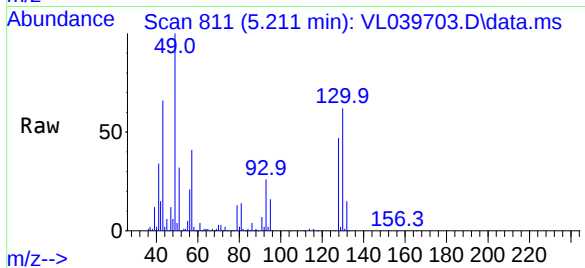
Ion Ratio Lower Upper

43 100

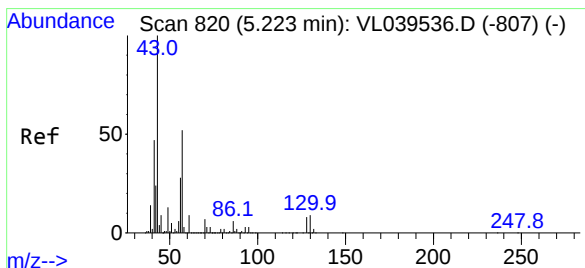
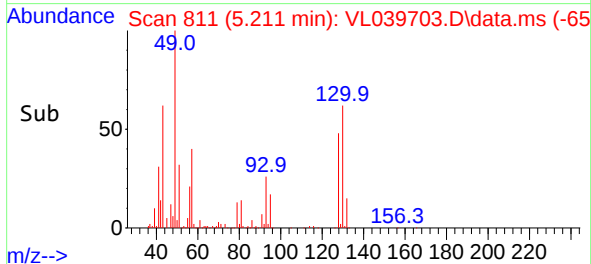
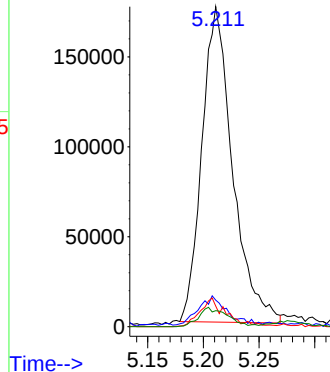
45 10.9 8.2 12.4

61 7.9 8.3 12.5#

70 5.7 5.9 8.9#



Abundance



#26

Hexane

Concen: 1.911 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.009 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Tgt Ion: 57 Resp: 211459

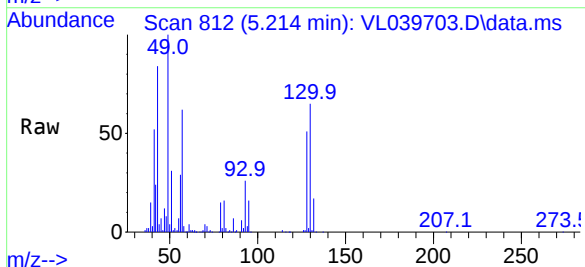
Ion Ratio Lower Upper

57 100

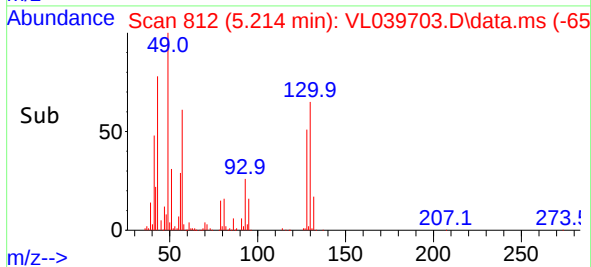
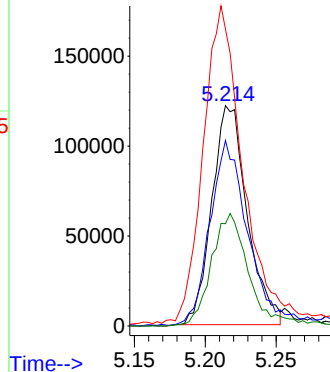
41 95.3 76.9 115.3

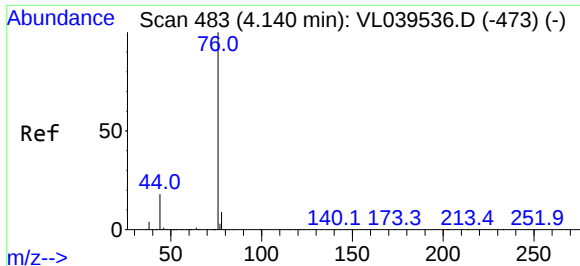
43 168.4 191.0 286.6#

56 55.7 43.2 64.8



Abundance

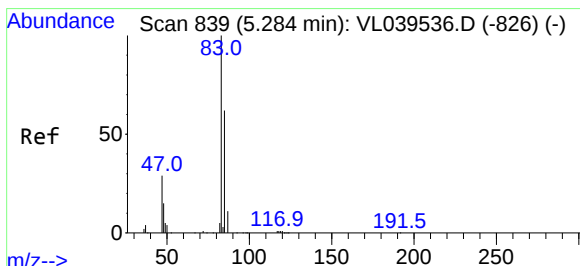
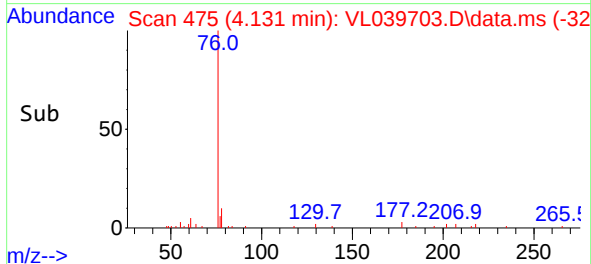
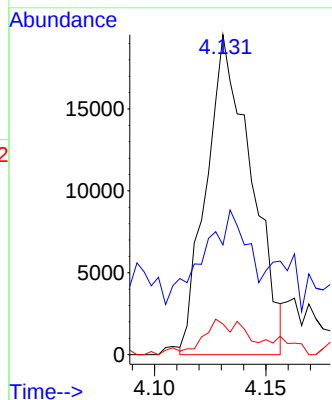
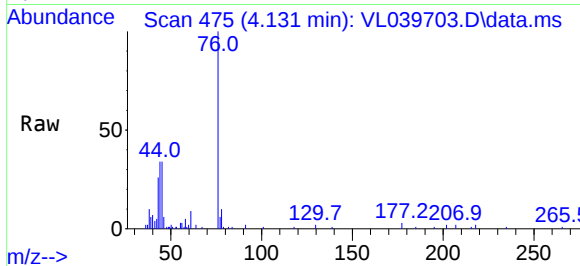




#27  
Carbon Disulfide  
Concen: 0.236 ppbv  
RT: 4.131 min Scan# 41  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

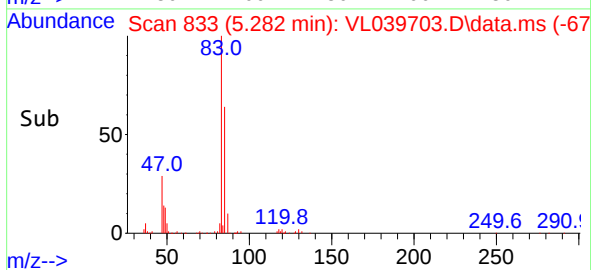
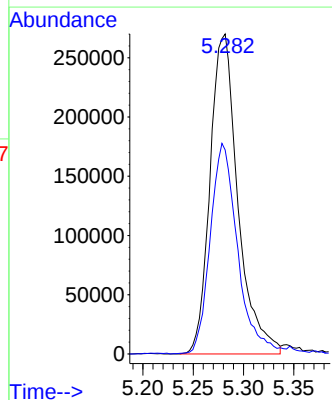
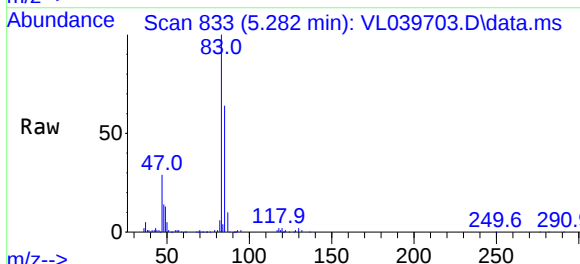
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

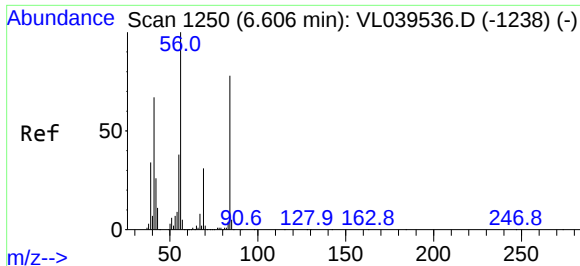
Tgt Ion: 76 Resp: 27495  
Ion Ratio Lower Upper  
76 100  
44 40.6 14.6 21.8#  
78 13.8 7.8 11.6#



#29  
Chloroform  
Concen: 3.263 ppbv  
RT: 5.282 min Scan# 833  
Delta R.T. -0.003 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 83 Resp: 521188  
Ion Ratio Lower Upper  
83 100  
85 63.6 52.8 79.2

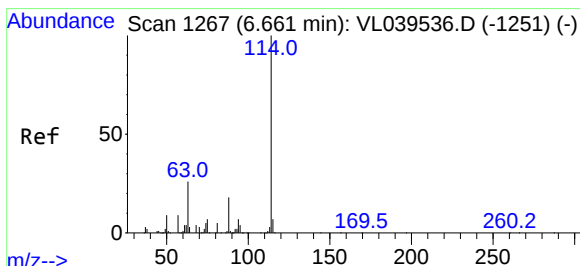
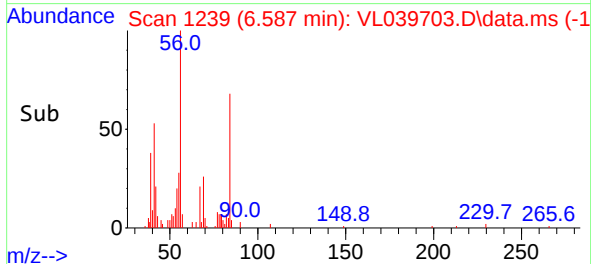
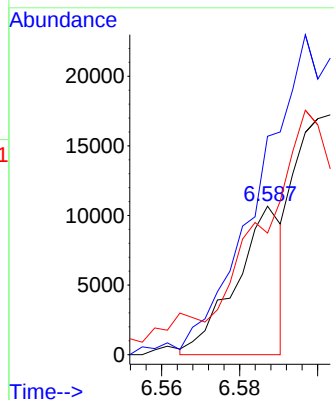
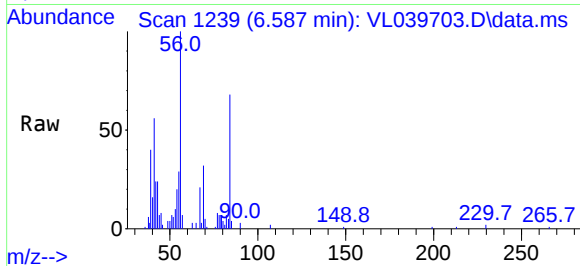




#30  
Cyclohexane  
Concen: 0.103 ppbv  
RT: 6.587 min Scan# 1239  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

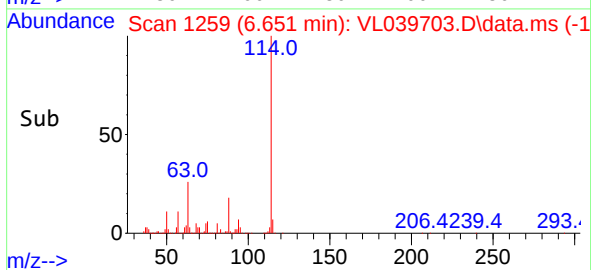
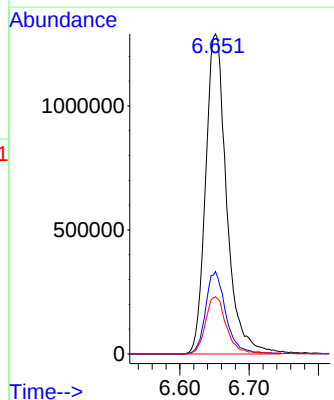
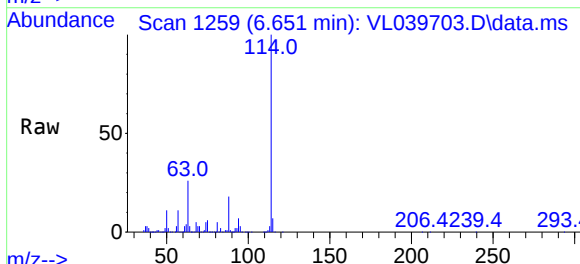
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

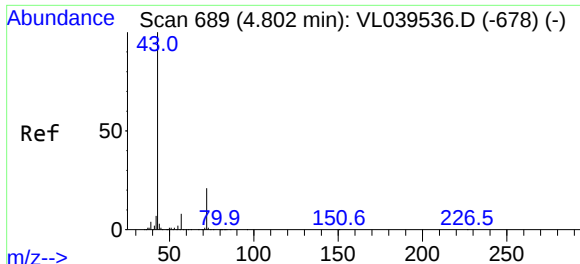
Tgt Ion: 84 Resp: 8784  
Ion Ratio Lower Upper  
84 100  
56 0.0 107.7 161.5#  
41 0.0 67.7 101.5#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.651 min Scan# 1259  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion:114 Resp: 2708130  
Ion Ratio Lower Upper  
114 100  
63 25.0 20.2 30.4  
88 18.0 14.5 21.7





#34

2-Butanone

Concen: 0.673 ppbv

RT: 4.796 min Scan# 61

Delta R.T. -0.006 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Instrument :

MSVOA\_L

ClientSampleId :

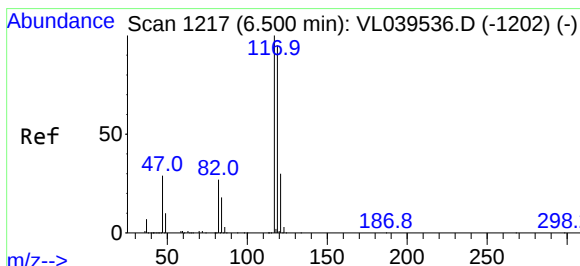
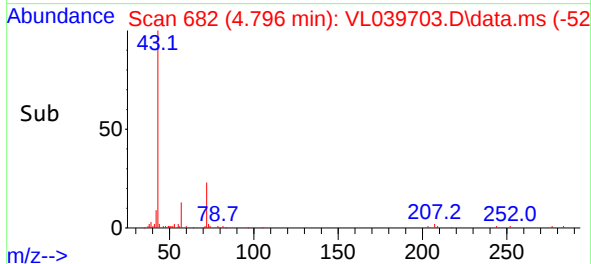
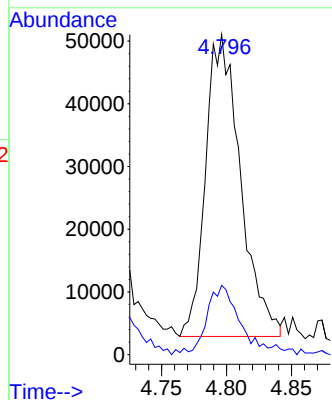
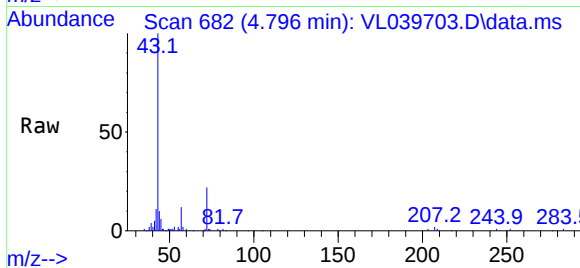
IA1

Tgt Ion: 43 Resp: 89562

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9



#35

Carbon Tetrachloride

Concen: 0.035 ppbv

RT: 6.487 min Scan# 1208

Delta R.T. -0.012 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

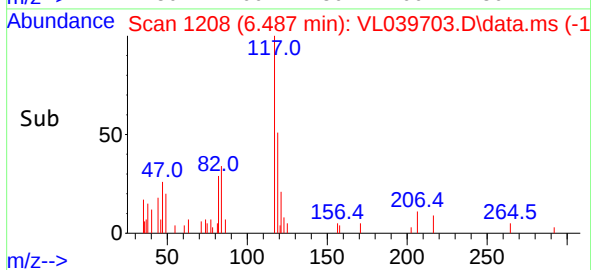
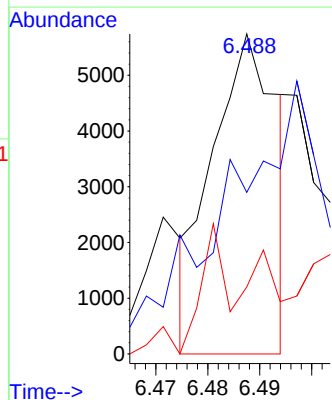
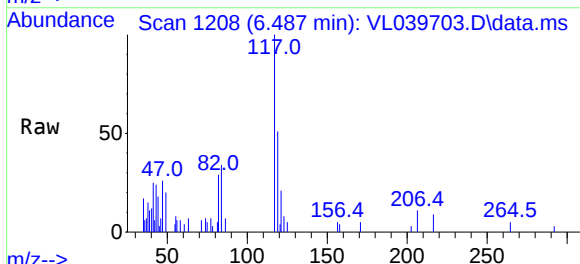
Tgt Ion: 117 Resp: 4973

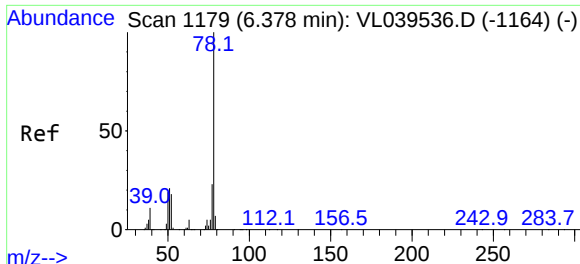
Ion Ratio Lower Upper

117 100

119 20.9 75.4 113.2#

121 32.8 24.2 36.2

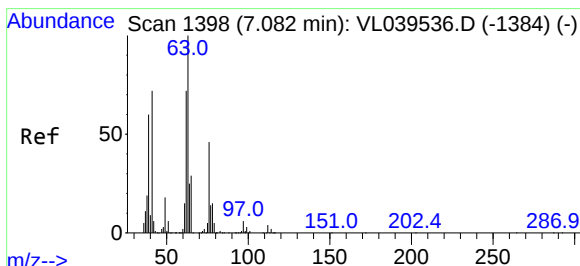
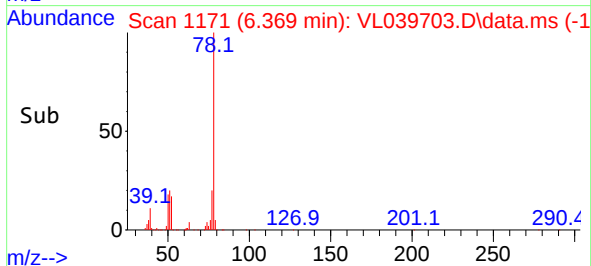
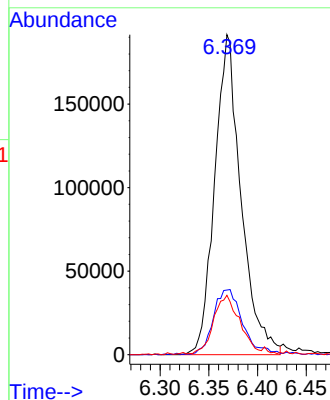
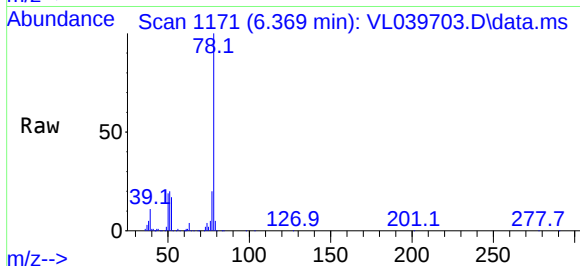




#36  
Benzene  
Concen: 1.738 ppbv  
RT: 6.369 min Scan# 1179  
Delta R.T. -0.009 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

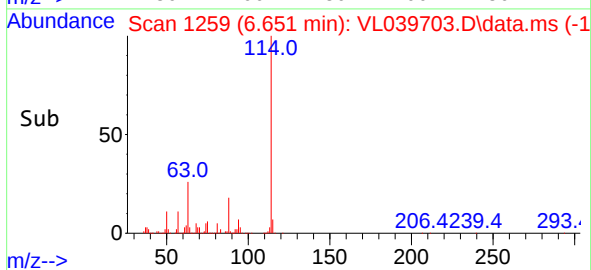
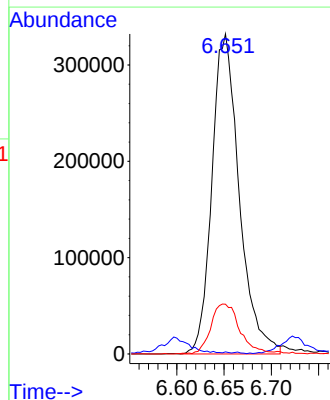
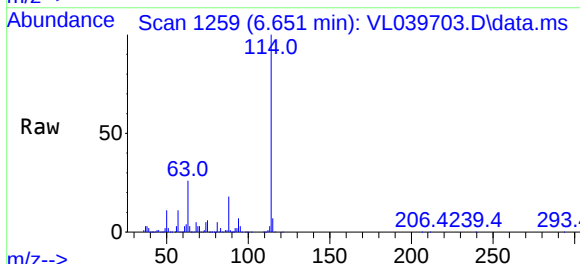
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

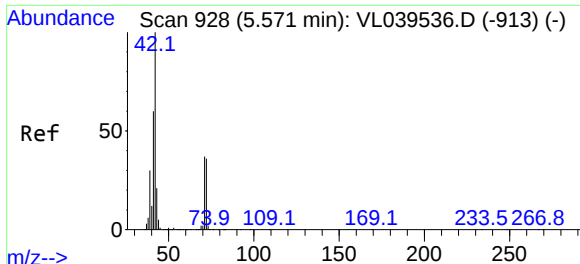
Tgt Ion: 78 Resp: 359746  
Ion Ratio Lower Upper  
78 100  
77 20.0 20.3 30.5#  
50 17.9 15.5 23.3



#39  
1,2-Dichloropropane  
Concen: 8.341 ppbv  
RT: 6.651 min Scan# 1259  
Delta R.T. -0.430 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 63 Resp: 666864  
Ion Ratio Lower Upper  
63 100  
41 0.0 59.6 89.4#  
62 15.5 51.4 77.0#

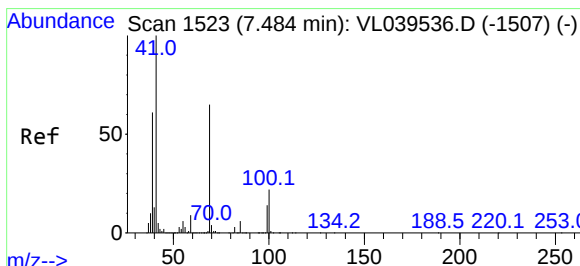
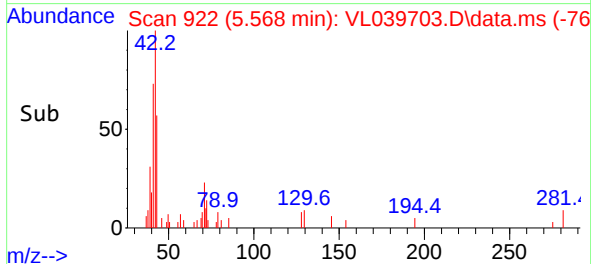
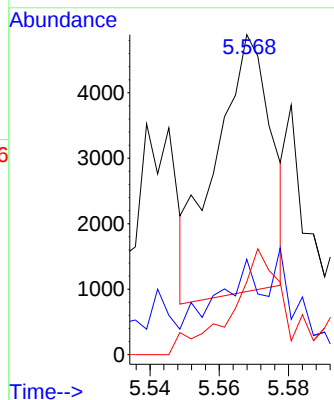
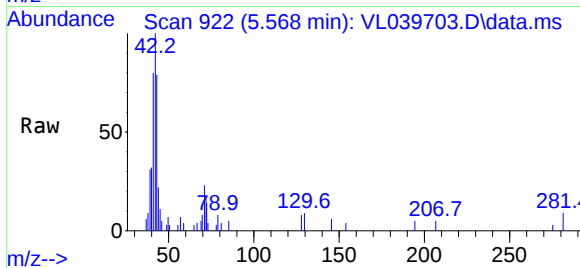




#41  
Tetrahydrofuran  
Concen: 0.054 ppbv  
RT: 5.568 min Scan# 91  
Delta R.T. -0.003 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

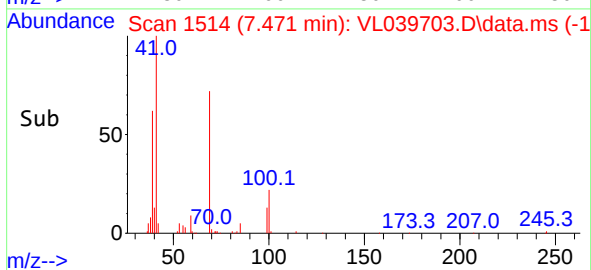
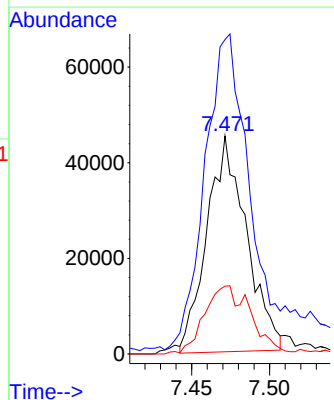
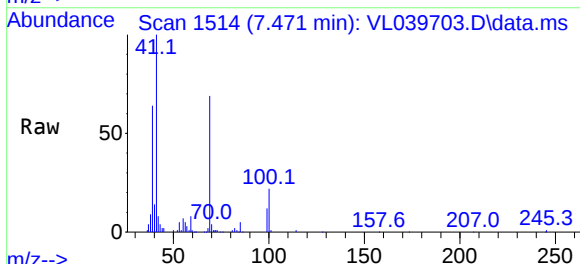
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

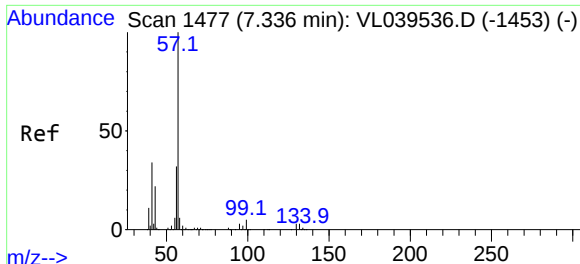
Tgt Ion: 42 Resp: 4370  
Ion Ratio Lower Upper  
42 100  
72 72.0 31.8 47.8#  
71 46.3 31.8 47.8



#43  
Methyl Methacrylate  
Concen: 1.057 ppbv  
RT: 7.471 min Scan# 1514  
Delta R.T. -0.012 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 69 Resp: 79791  
Ion Ratio Lower Upper  
69 100  
41 184.5 120.8 181.2#  
100 37.7 27.8 41.6





#44

2,2,4-Trimethylpentane

Concen: 0.794 ppbv

RT: 7.317 min Scan# 14

Delta R.T. -0.019 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Instrument :

MSVOA\_L

ClientSampleId :

IA1

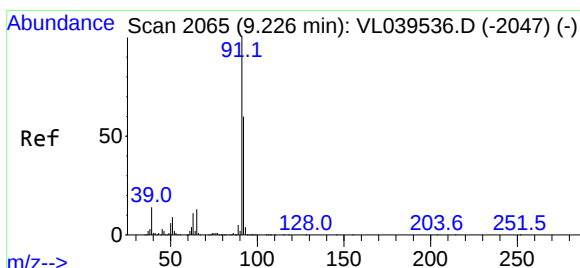
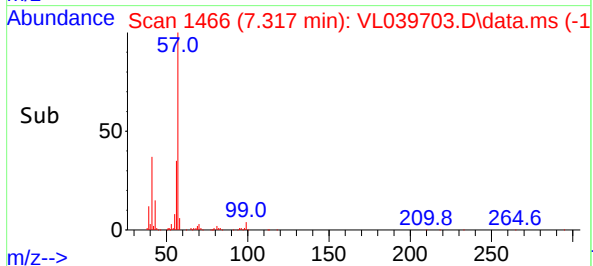
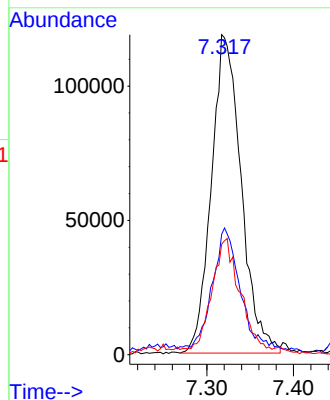
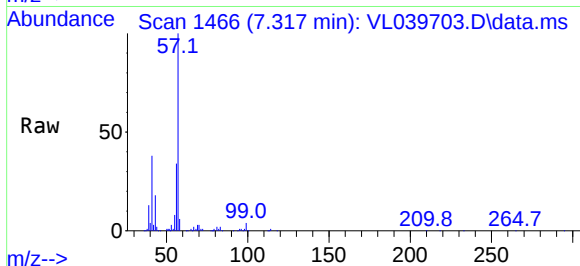
Tgt Ion: 57 Resp: 283230

Ion Ratio Lower Upper

57 100

41 43.0 27.4 41.2#

56 37.0 24.5 36.7#



#53

Toluene

Concen: 2.256 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. -0.012 min

Lab File: VL039703.D

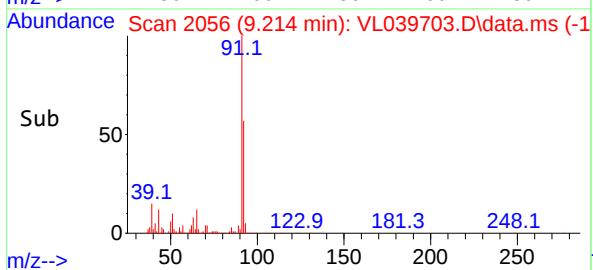
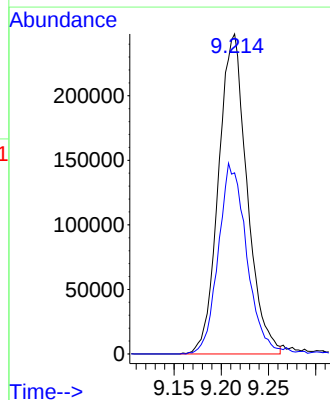
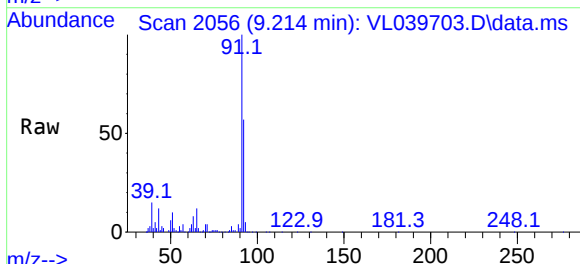
Acq: 10 Oct 2022 20:18

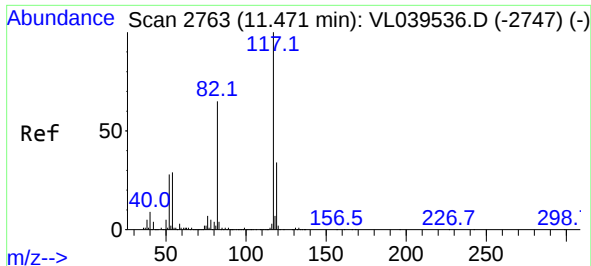
Tgt Ion: 91 Resp: 519515

Ion Ratio Lower Upper

91 100

92 60.4 48.2 72.2



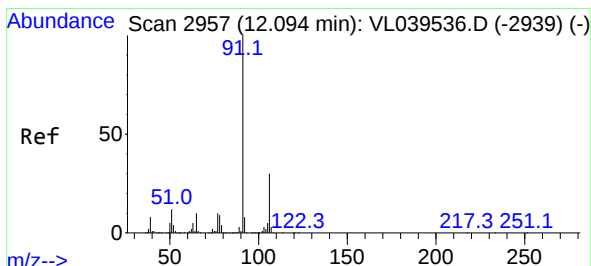
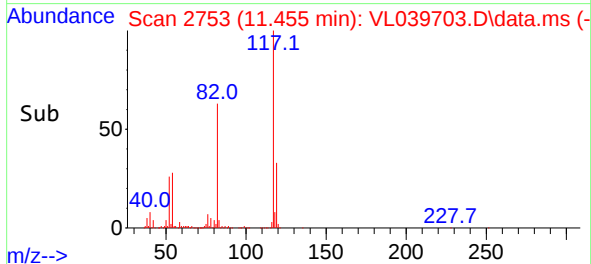
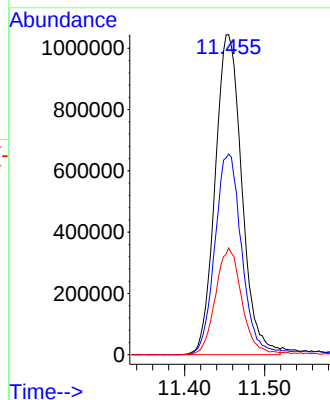
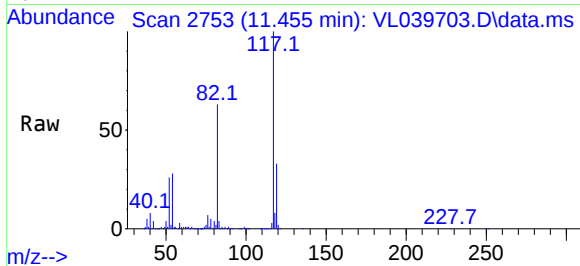


#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.455 min Scan# 21  
Delta R.T. -0.015 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

Tgt Ion:117 Resp: 2422999

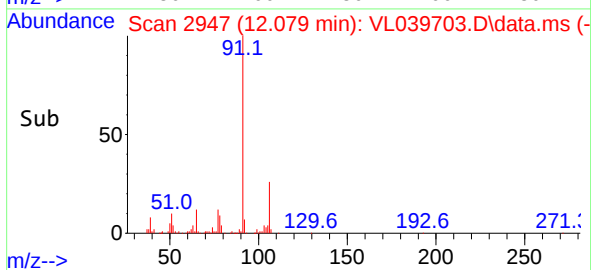
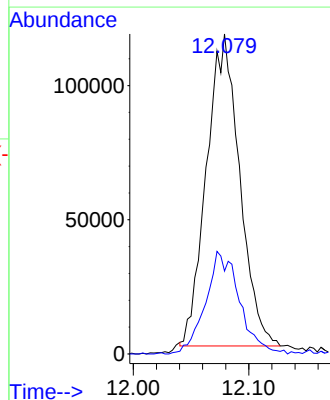
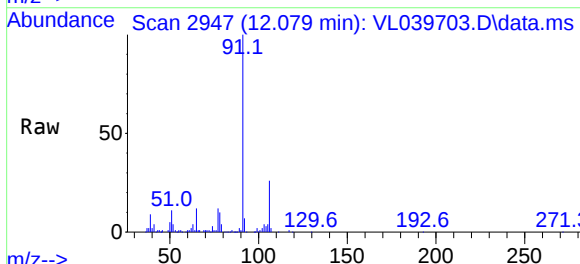
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 65.0  | 50.8  | 76.2  |
| 119 | 33.9  | 24.1  | 36.1  |

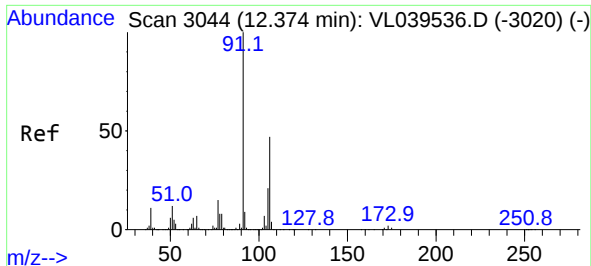


#58  
Ethyl Benzene  
Concen: 0.831 ppbv  
RT: 12.079 min Scan# 2947  
Delta R.T. -0.015 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 91 Resp: 232039

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 106 | 25.8  | 25.4  | 38.0  |





#59

m/p-Xylene

Concen: 1.177 ppbv

RT: 12.352 min Scan# 3044

Delta R.T. -0.022 min

Lab File: VL039703.D

Acq: 10 Oct 2022 20:18

Instrument :

MSVOA\_L

ClientSampleId :

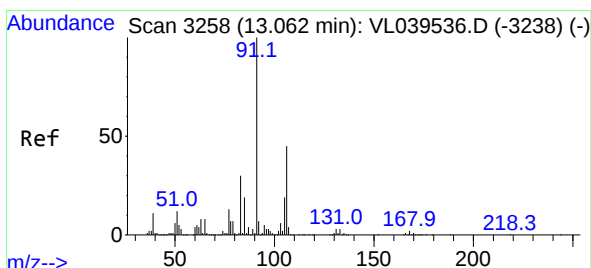
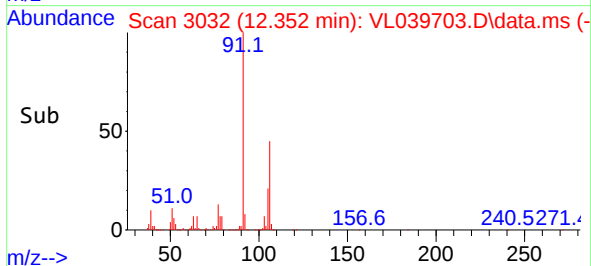
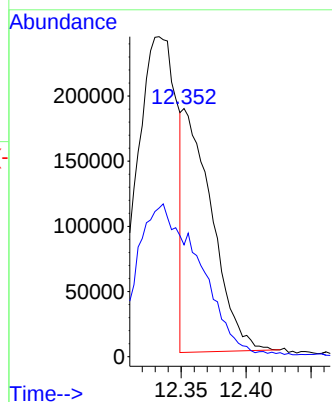
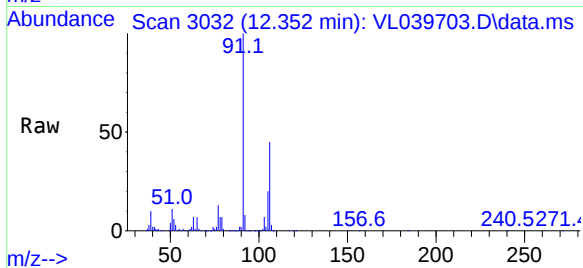
IA1

Tgt Ion: 91 Resp: 292640

Ion Ratio Lower Upper

91 100

106 0.0 35.4 53.2#



#60

o-Xylene

Concen: 1.282 ppbv

RT: 13.047 min Scan# 3248

Delta R.T. -0.015 min

Lab File: VL039703.D

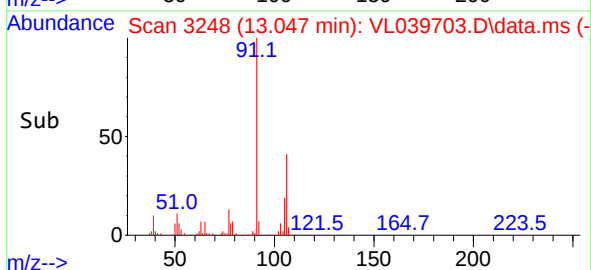
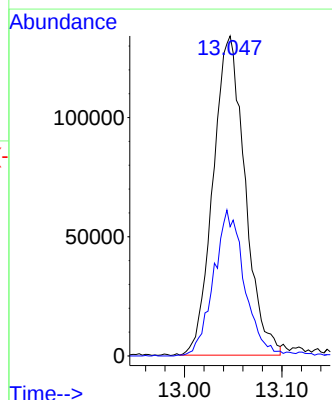
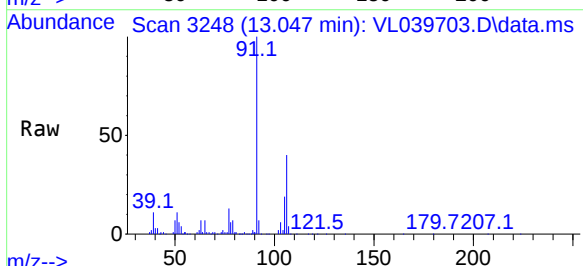
Acq: 10 Oct 2022 20:18

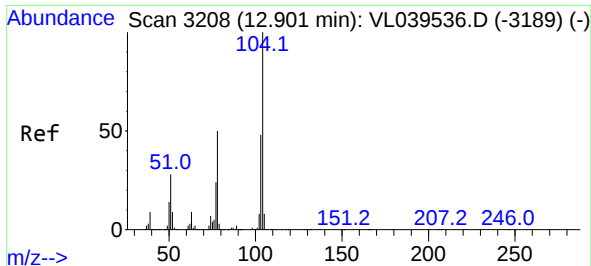
Tgt Ion: 91 Resp: 304444

Ion Ratio Lower Upper

91 100

106 45.0 22.4 67.3

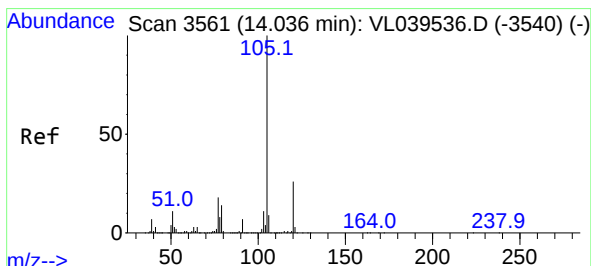
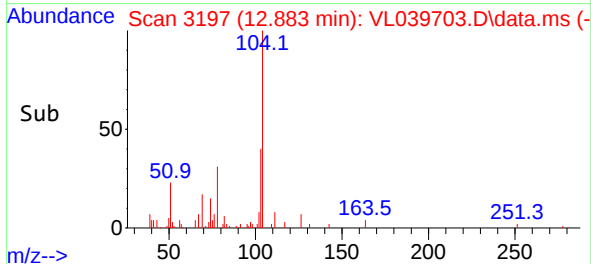
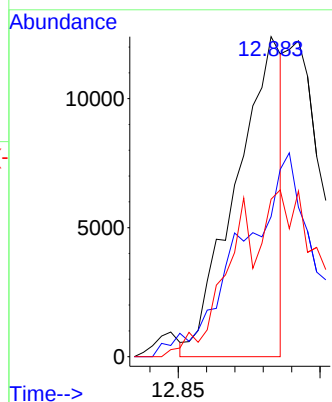
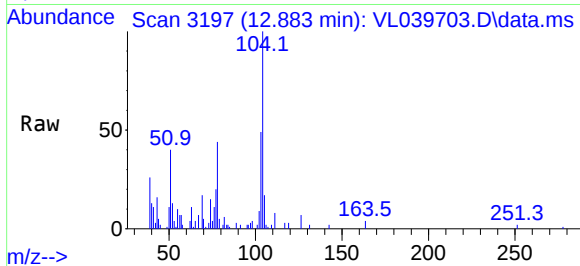




#61  
Styrene  
Concen: 0.109 ppbv  
RT: 12.883 min Scan# 3197  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

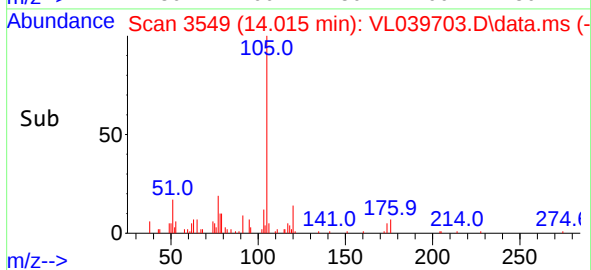
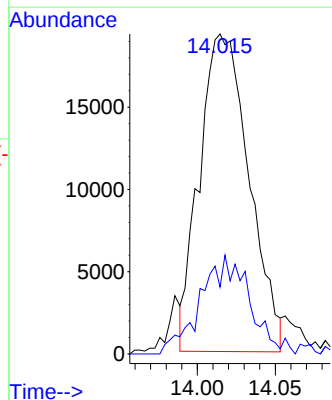
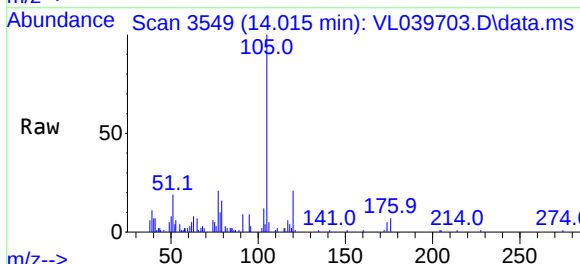
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

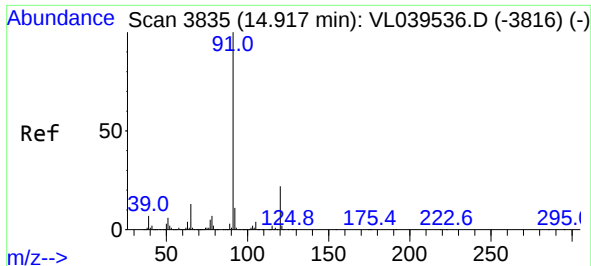
Tgt Ion:104 Resp: 13952  
Ion Ratio Lower Upper  
104 100  
78 0.0 41.2 61.8#  
103 0.0 38.7 58.1#



#62  
Isopropylbenzene  
Concen: 0.119 ppbv  
RT: 14.015 min Scan# 3549  
Delta R.T. -0.022 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion:105 Resp: 42649  
Ion Ratio Lower Upper  
105 100  
120 32.4 20.7 31.1#

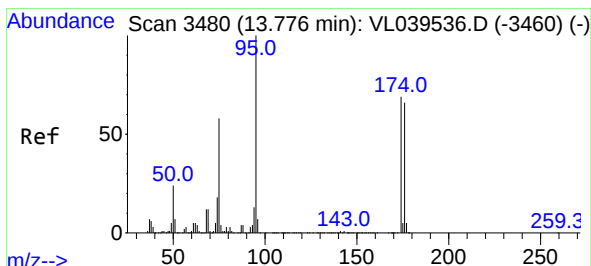
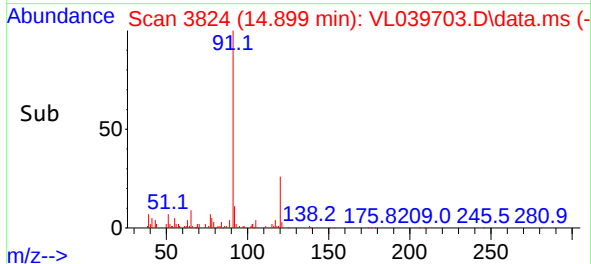
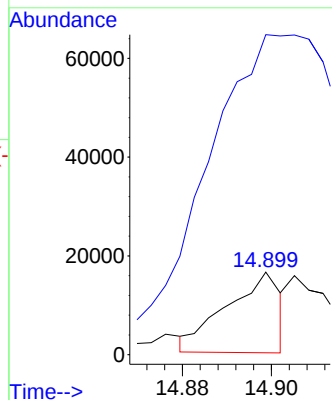
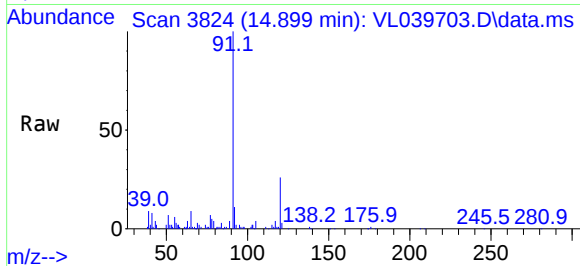




#64  
n-propylbenzene  
Concen: 0.149 ppbv  
RT: 14.899 min Scan# 31  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

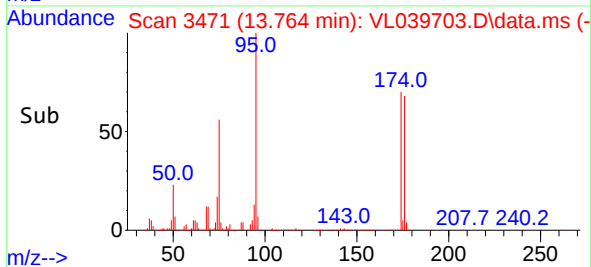
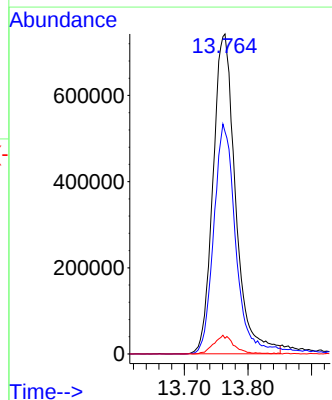
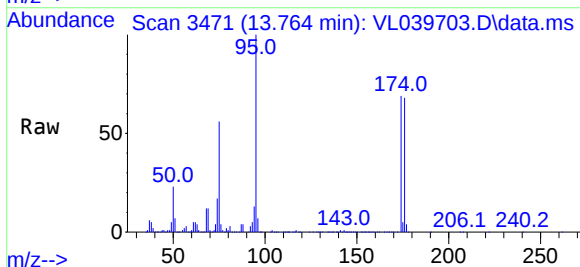
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

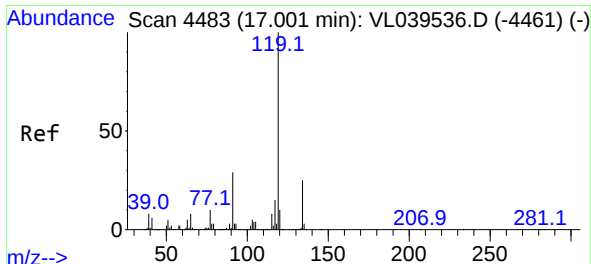
Tgt Ion:120 Resp: 13649  
Ion Ratio Lower Upper  
120 100  
91 1211.9 367.2 550.8#



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.095 ppbv  
RT: 13.764 min Scan# 3471  
Delta R.T. -0.012 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion: 95 Resp: 1825976  
Ion Ratio Lower Upper  
95 100  
174 72.0 55.9 83.9  
175 5.3 4.2 6.4

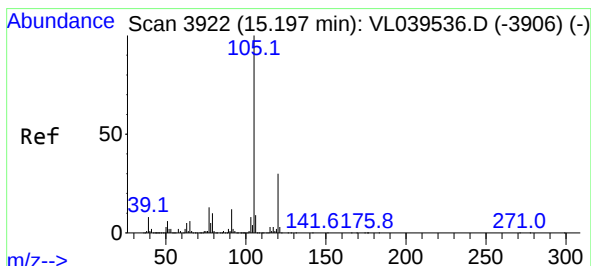
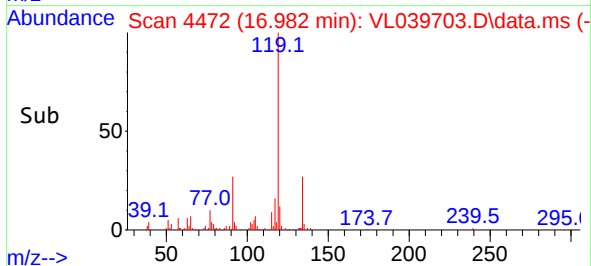
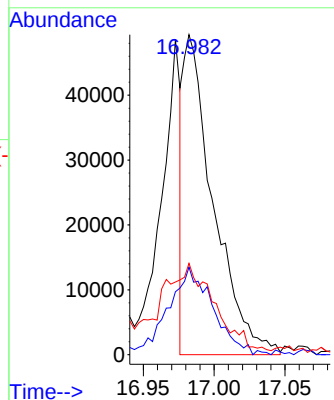
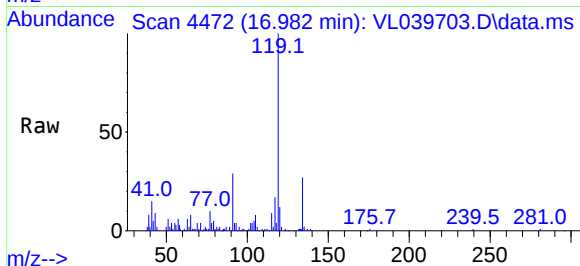




#69  
p-Isopropyltoluene  
Concen: 0.199 ppbv  
RT: 16.982 min Scan# 4483  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

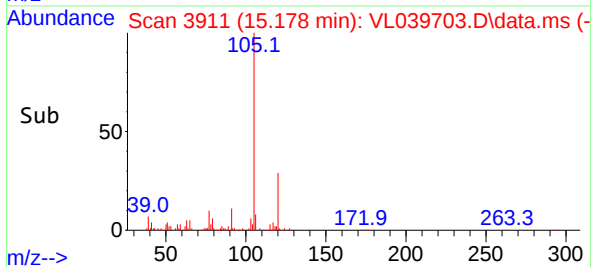
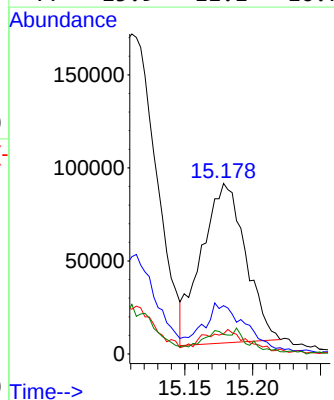
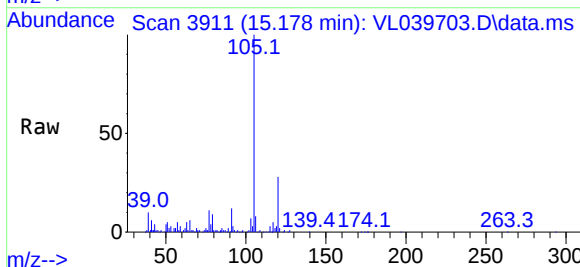
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

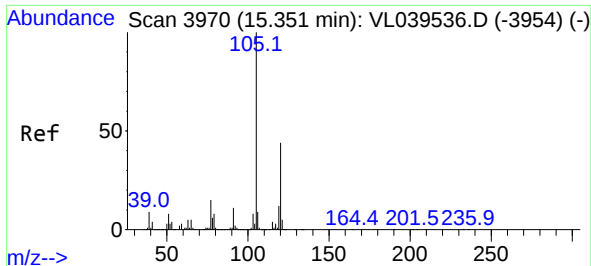
Tgt Ion:119 Resp: 72436  
Ion Ratio Lower Upper  
119 100  
134 38.9 20.3 30.5#  
91 52.3 22.9 34.3#



#72  
4-Ethyltoluene  
Concen: 0.714 ppbv  
RT: 15.178 min Scan# 3911  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion:105 Resp: 193500  
Ion Ratio Lower Upper  
105 100  
120 33.9 24.2 36.2  
91 14.3 10.2 15.4  
77 15.9 11.1 16.7

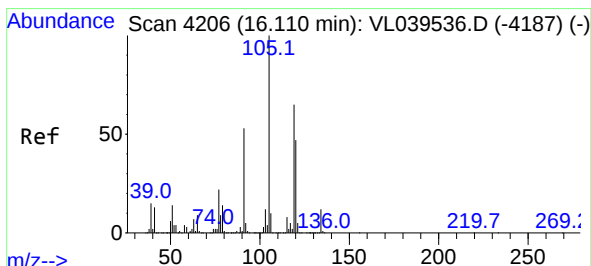
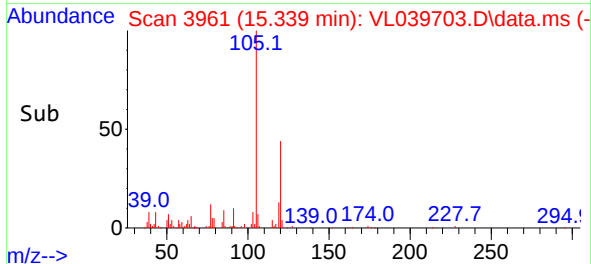
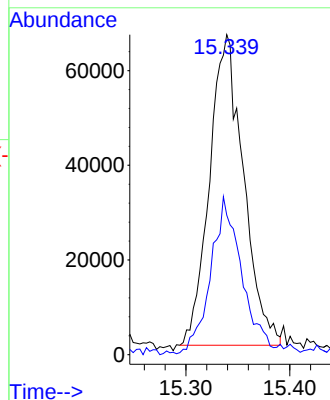
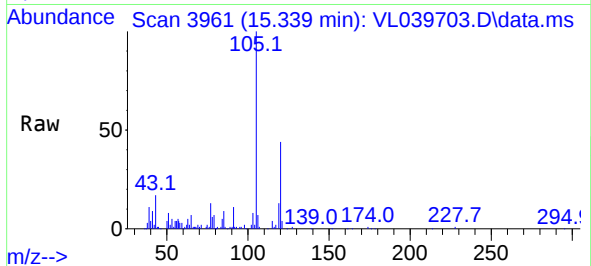




#73  
1,3,5-Trimethylbenzene  
Concen: 0.601 ppbv  
RT: 15.339 min Scan# 3970  
Delta R.T. -0.012 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

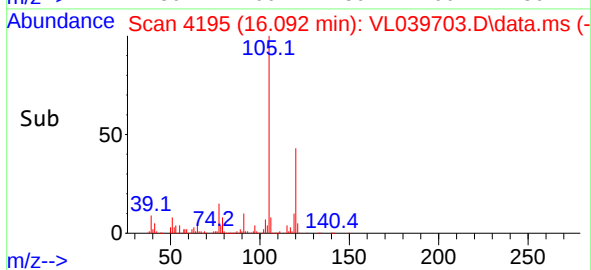
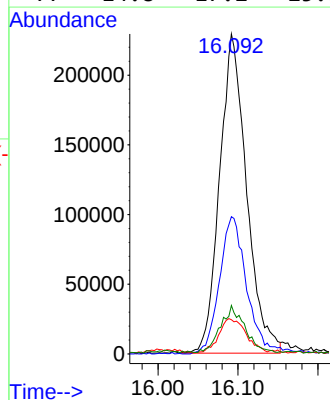
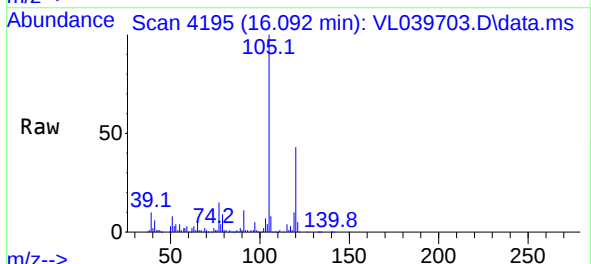
Instrument : MSVOA\_L  
ClientSampleId : IA1

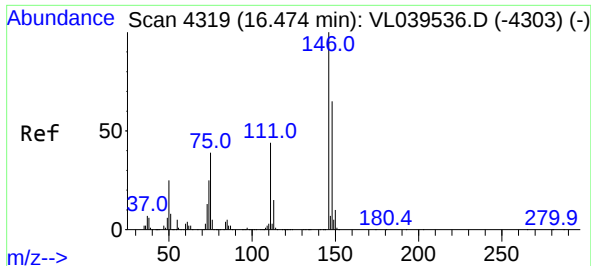
Tgt Ion:105 Resp: 149105  
Ion Ratio Lower Upper  
105 100  
120 44.2 38.2 57.4



#74  
1,2,4-Trimethylbenzene  
Concen: 1.929 ppbv  
RT: 16.092 min Scan# 4195  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Tgt Ion:105 Resp: 536168  
Ion Ratio Lower Upper  
105 100  
120 42.8 39.5 59.3  
91 10.1 39.2 58.8#  
77 14.8 17.2 25.8#

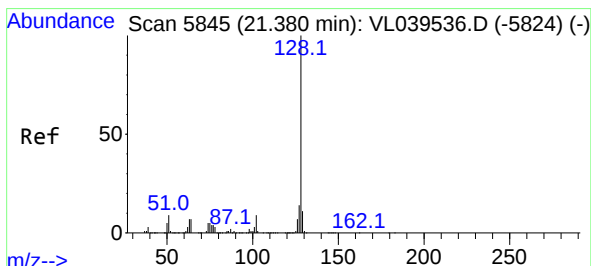
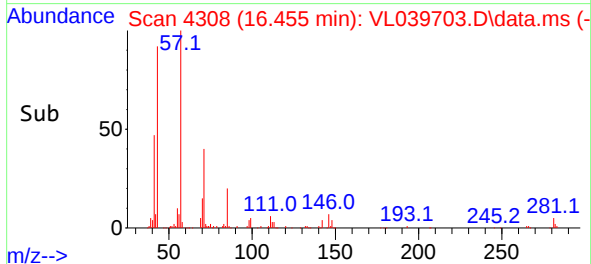
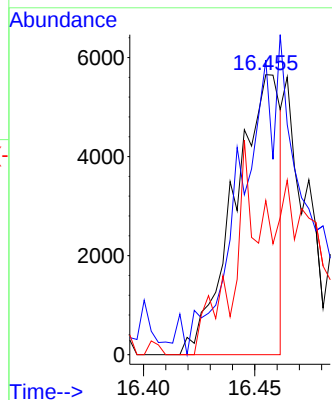
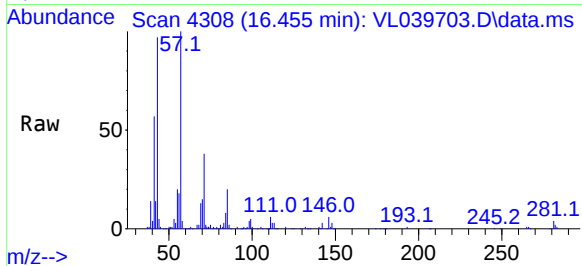




#76  
1,4-Dichlorobenzene  
Concen: 0.049 ppbv  
RT: 16.455 min Scan# 41  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

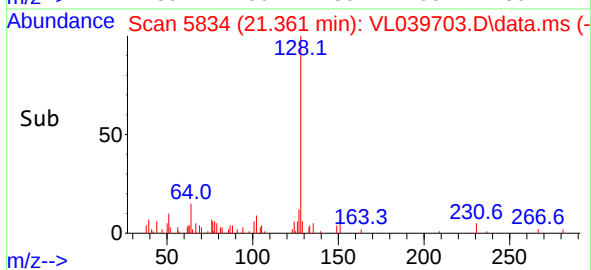
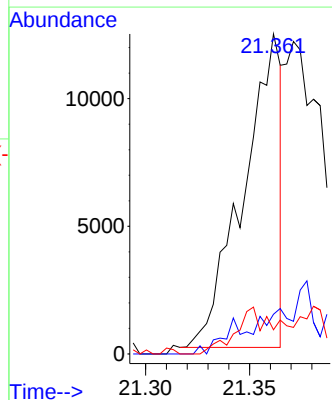
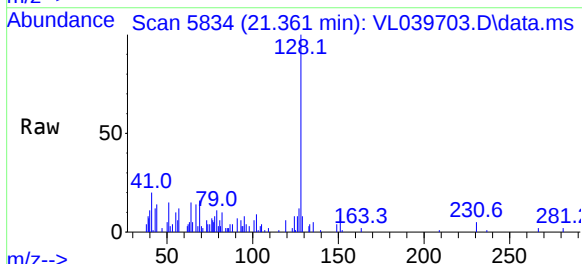
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

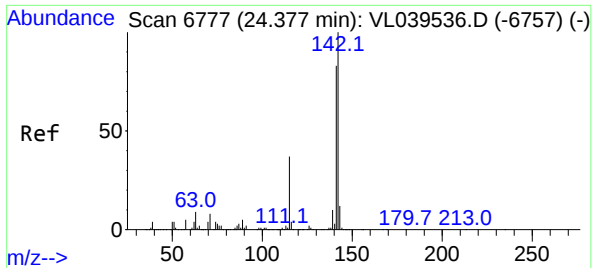
Tgt Ion:146 Resp: 8072  
Ion Ratio Lower Upper  
146 100  
111 0.0 22.9 68.8#  
148 108.5 33.6 100.8#



#79  
Naphthalene  
Concen: 0.084 ppbv  
RT: 21.361 min Scan# 5834  
Delta R.T. -0.019 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

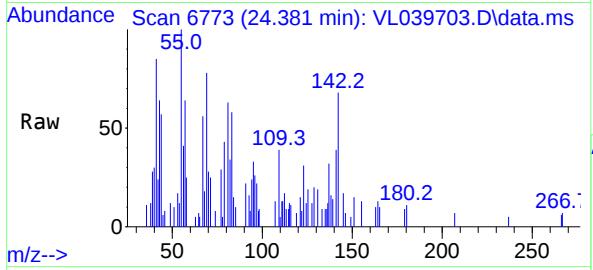
Tgt Ion:128 Resp: 15500  
Ion Ratio Lower Upper  
128 100  
127 12.7 10.6 15.8  
129 7.7 8.8 13.2#





#80  
Naphthalene, 2-methyl-  
Concen: 0.053 ppbv  
RT: 24.381 min Scan# 61  
Delta R.T. 0.004 min  
Lab File: VL039703.D  
Acq: 10 Oct 2022 20:18

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1



Tgt Ion:142 Resp: 3642  
Ion Ratio Lower Upper  
142 100  
141 118.8 68.9 103.3#  
115 102.1 30.0 45.0#

