

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111323\  
 Data File : VL040842.D  
 Acq On : 13 Nov 2023 16:01  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323

Quant Time: Nov 22 00:32:22 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Nov 20 03:50:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.198  | 49    | 1188652  | 10.000   | ppbv   | -0.01    |
| 33) 1,4-Difluorobenzene       | 6.651  | 114   | 3060801  | 10.000   | ppbv   | -0.01    |
| 55) Chlorobenzene-d5          | 11.452 | 117   | 3581775  | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.764 | 95    | 2304142  | 8.217    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 82.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.758  | 85    | 2101680  | 8.722    | ppbv   | 100      |
| 3) Chlorodifluoromethane      | 2.703  | 51    | 1691479  | 8.913    | ppbv   | 99       |
| 4) Chloromethane              | 2.841  | 50    | 614786   | 9.009    | ppbv   | 100      |
| 5) Vinyl Chloride             | 2.944  | 62    | 643432   | 9.480    | ppbv   | 100      |
| 6) Bromomethane               | 3.144  | 94    | 236353   | 9.123    | ppbv   | 99       |
| 7) Chloroethane               | 3.221  | 64    | 212295   | 9.033    | ppbv   | 96       |
| 8) Dichlorotetrafluoroethane  | 2.883  | 85    | 1560562  | 8.969    | ppbv   | 99       |
| 9) Propene                    | 2.722  | 41    | 584981   | 9.146    | ppbv   | 99       |
| 10) Heptane                   | 7.574  | 43    | 1464250  | 9.306    | ppbv   | 99       |
| 11) Trichlorofluoromethane    | 3.581  | 101   | 1680943  | 9.079    | ppbv   | 99       |
| 12) 1,1,2-Trichlorotrifluo... | 4.082  | 101   | 1195987  | 9.093    | ppbv   | 99       |
| 13) Ethanol                   | 3.259  | 45    | 98454    | 7.928    | ppbv # | 100      |
| 14) Bromoethene               | 3.385  | 108   | 513562   | 9.707    | ppbv   | 99       |
| 15) Acetone                   | 3.488  | 43    | 1137807  | 8.988    | ppbv   | 99       |
| 16) 1,3-Butadiene             | 3.008  | 39    | 621599   | 9.705    | ppbv   | 99       |
| 17) tert-Butyl alcohol        | 3.896  | 59    | 1013933  | 9.366    | ppbv   | 100      |
| 18) 1,1-Dichloroethene        | 3.896  | 96    | 525126   | 8.957    | ppbv   | 94       |
| 19) Isopropyl Alcohol         | 3.594  | 45    | 741496   | 9.733    | ppbv   | 100      |
| 20) Methylene Chloride        | 3.947  | 84    | 429284   | 8.217    | ppbv   | 97       |
| 21) Allyl Chloride            | 4.012  | 41    | 768786   | 9.489    | ppbv   | 100      |
| 22) trans-1,2-Dichloroethene  | 4.455  | 96    | 569825   | 8.564    | ppbv   | 96       |
| 23) Vinyl Acetate             | 4.635  | 43    | 1603288  | 9.808    | ppbv   | 100      |
| 24) 1,1-Dichloroethane        | 4.571  | 63    | 1145256  | 7.860    | ppbv   | 99       |
| 25) Ethyl Acetate             | 5.208  | 43    | 2480499  | 9.463    | ppbv   | 99       |
| 26) Hexane                    | 5.217  | 57    | 1074548  | 9.262    | ppbv   | 99       |
| 27) Carbon Disulfide          | 4.137  | 76    | 1382530  | 9.398    | ppbv   | 100      |
| 28) Methyl tert-Butyl Ether   | 4.597  | 73    | 891686   | 8.499    | ppbv   | 98       |
| 29) Chloroform                | 5.282  | 83    | 1779044  | 9.048    | ppbv   | 96       |
| 30) Cyclohexane               | 6.600  | 84    | 936472   | 9.383    | ppbv   | 99       |
| 31) cis-1,2-Dichloroethene    | 5.086  | 61    | 1125466  | 9.804    | ppbv   | 98       |
| 32) 1,1,1-Trichloroethane     | 6.005  | 97    | 1793724  | 9.778    | ppbv   | 99       |
| 34) 2-Butanone                | 4.793  | 43    | 1521674  | 9.759    | ppbv   | 99       |
| 35) Carbon Tetrachloride      | 6.491  | 117   | 1886320  | 10.045   | ppbv   | 99       |
| 36) Benzene                   | 6.372  | 78    | 2310381  | 9.300    | ppbv   | 98       |
| 37) 1,2-Dichloroethane        | 5.809  | 62    | 1383005  | 9.440    | ppbv   | 99       |
| 38) Trichloroethene           | 7.291  | 130   | 853726   | 8.842    | ppbv   | 97       |
| 39) 1,2-Dichloropropane       | 7.073  | 63    | 903522   | 9.173    | ppbv   | 95       |
| 40) 1,4-Dioxane               | 7.282  | 88    | 338140   | 8.652    | ppbv # | 97       |
| 41) Tetrahydrofuran           | 5.558  | 42    | 962225   | 10.023   | ppbv   | 99       |
| 42) Bromodichloromethane      | 7.246  | 83    | 1990673  | 9.494    | ppbv   | 99       |
| 43) Methyl Methacrylate       | 7.468  | 69    | 969064   | 10.237   | ppbv   | 99       |
| 44) 2,2,4-Trimethylpentane    | 7.323  | 57    | 3770963  | 9.139    | ppbv   | 100      |
| 45) t-1,3-Dichloropropene     | 8.703  | 75    | 620480   | 11.154   | ppbv   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111323\  
 Data File : VL040842.D  
 Acq On : 13 Nov 2023 16:01  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

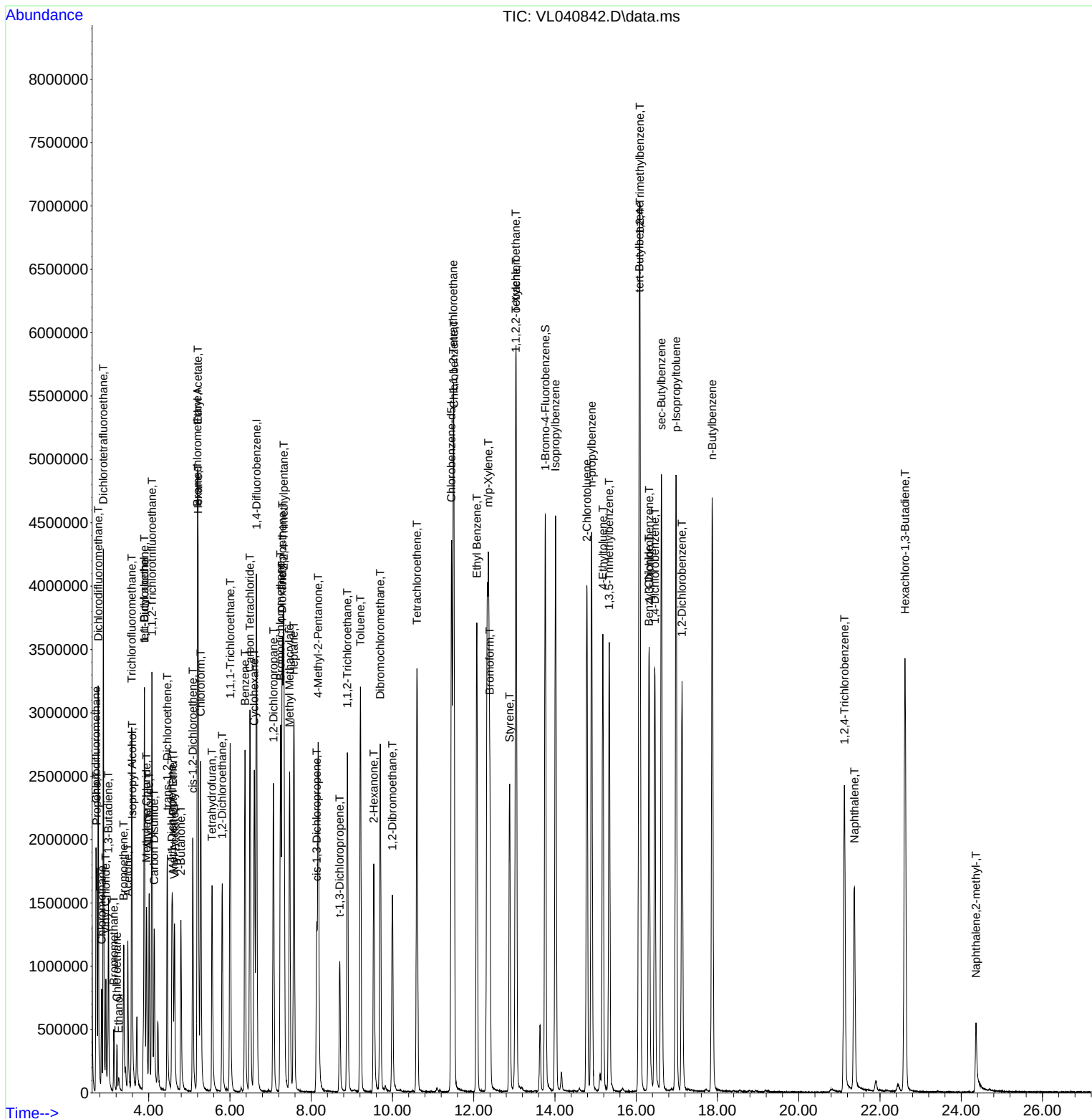
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323

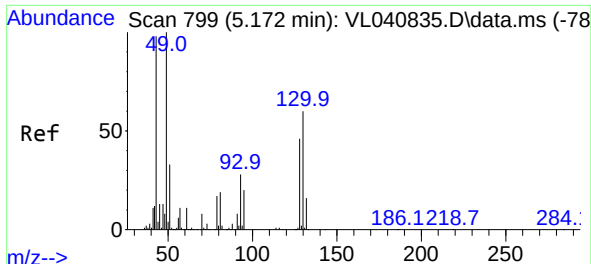
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Mon Nov 20 03:50:24 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.134  | 75   | 758840   | 10.521 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.889  | 97   | 949609   | 9.201  | ppbv   | 97       |
| 48) Dibromochloromethane      | 9.700  | 129  | 1699272  | 9.923  | ppbv   | 100      |
| 49) Bromoform                 | 12.394 | 173  | 1345003  | 10.442 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.172  | 43   | 2384967  | 9.883  | ppbv   | 100      |
| 51) 2-Hexanone                | 9.542  | 43   | 1727898  | 10.158 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.603 | 164  | 789068   | 9.433  | ppbv   | 98       |
| 53) Toluene                   | 9.214  | 91   | 2606324  | 9.534  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 9.999  | 107  | 1325859  | 9.982  | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 11.497 | 131  | 1191982  | 7.776  | ppbv   | 96       |
| 57) Chlorobenzene             | 11.513 | 112  | 1999278  | 7.531  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.076 | 91   | 3525229  | 7.543  | ppbv   | 98       |
| 59) m/p-Xylene                | 12.359 | 91   | 3352408  | 8.424  | ppbv # | 47       |
| 60) o-Xylene                  | 13.043 | 91   | 2792834  | 7.372  | ppbv   | 99       |
| 61) Styrene                   | 12.883 | 104  | 1488888  | 8.149  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.014 | 105  | 4101396  | 7.328  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.034 | 83   | 2015425  | 7.506  | ppbv   | 100      |
| 64) n-propylbenzene           | 14.902 | 120  | 1064028  | 7.585  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 16.079 | 119  | 3541850  | 7.505  | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.310 | 91   | 70827    | 4.073  | ppbv # | 57       |
| 67) sec-Butylbenzene          | 16.619 | 105  | 4976252  | 7.381  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.982 | 119  | 4042810  | 7.520  | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.873 | 91   | 4255355  | 7.496  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.786 | 91   | 3173568  | 7.438  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.178 | 105  | 3202689  | 7.690  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 15.333 | 105  | 2778206  | 7.543  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.092 | 105  | 3007923  | 7.318  | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 16.317 | 146  | 1709242  | 7.531  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.458 | 146  | 1673996  | 7.704  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.127 | 146  | 1660372  | 7.524  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.615 | 225  | 945952   | 6.846  | ppbv   | 99       |
| 79) Naphthalene               | 21.371 | 128  | 2116125  | 10.017 | ppbv   | 98       |
| 80) Naphthalene,2-methyl-     | 24.365 | 142  | 456712   | 12.247 | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 21.127 | 180  | 1078580  | 8.398  | ppbv   | 100      |

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

Quant Time: Nov 22 00:32:22 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111323AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Mon Nov 20 03:50:24 2023  
Response via : Initial Calibration

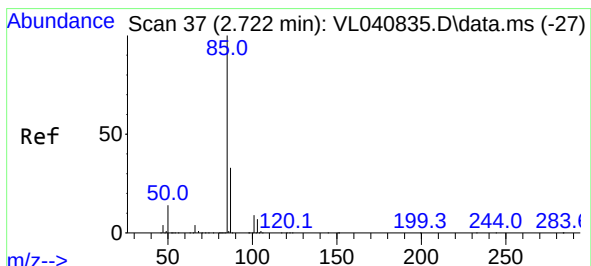
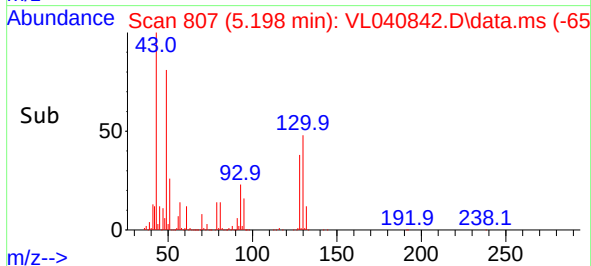
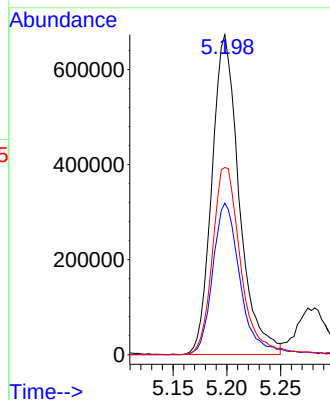
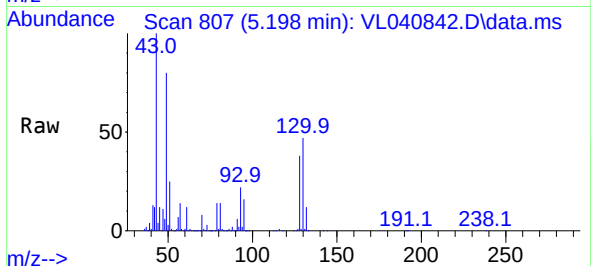




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.198 min Scan# 80  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

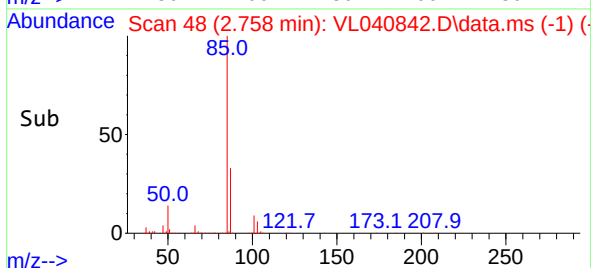
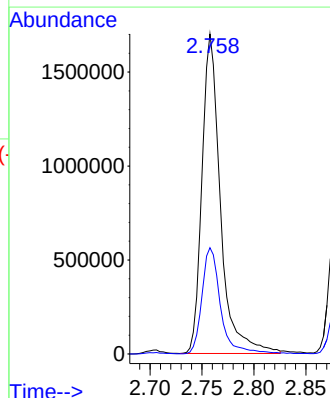
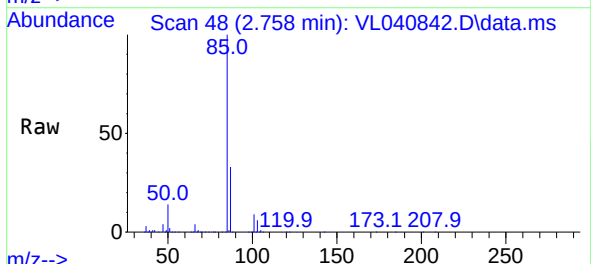
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

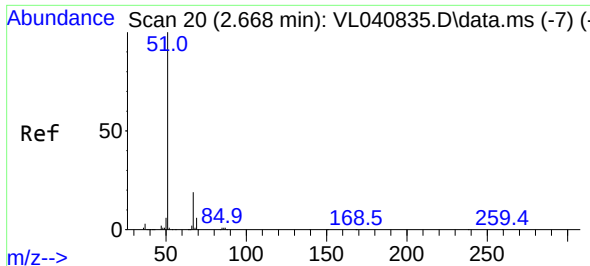
Tgt Ion: 49 Resp: 1188652  
Ion Ratio Lower Upper  
49 100  
128 48.7 23.8 71.2  
130 61.3 30.9 92.8



#2  
Dichlorodifluoromethane  
Concen: 8.722 ppbv  
RT: 2.758 min Scan# 48  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 85 Resp: 2101680  
Ion Ratio Lower Upper  
85 100  
87 33.2 26.7 40.1

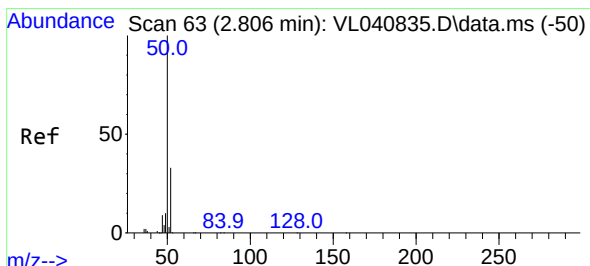
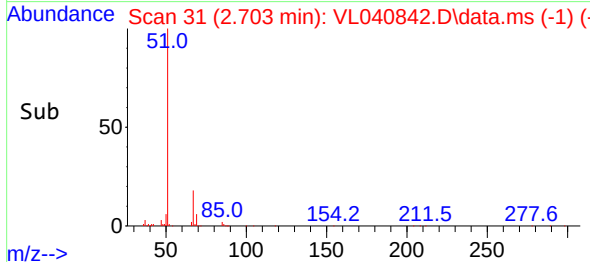
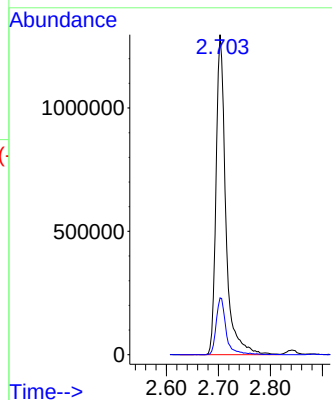
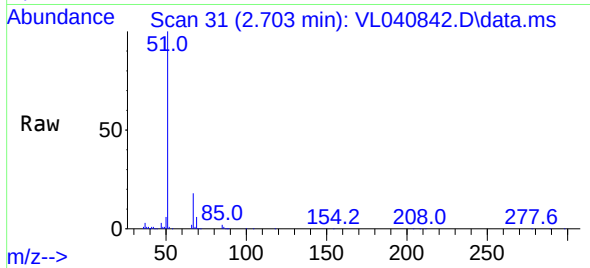




#3  
Chlorodifluoromethane  
Concen: 8.913 ppbv  
RT: 2.703 min Scan# 31  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

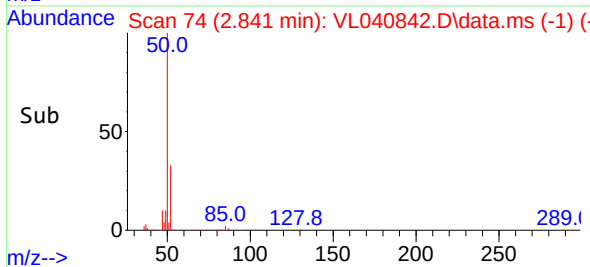
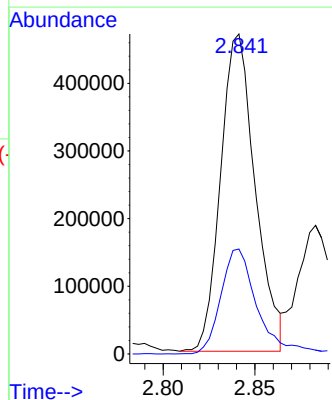
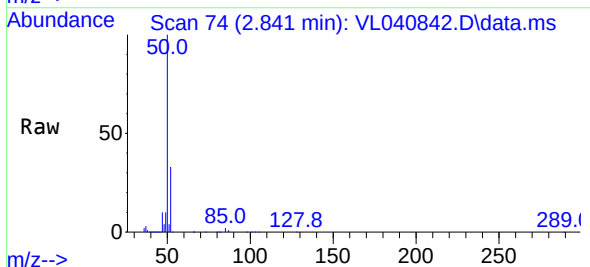
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

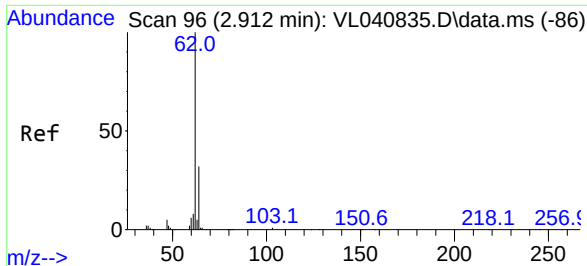
Tgt Ion: 51 Resp: 1691479  
Ion Ratio Lower Upper  
51 100  
67 18.1 15.0 22.4



#4  
Chloromethane  
Concen: 9.009 ppbv  
RT: 2.841 min Scan# 74  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 50 Resp: 614786  
Ion Ratio Lower Upper  
50 100  
52 33.0 26.5 39.7

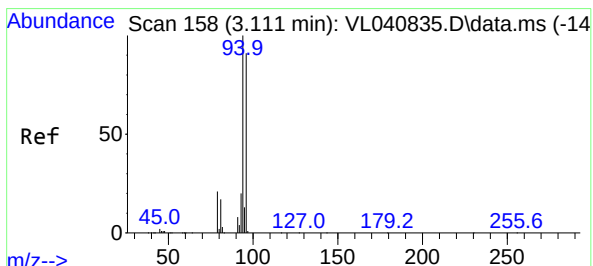
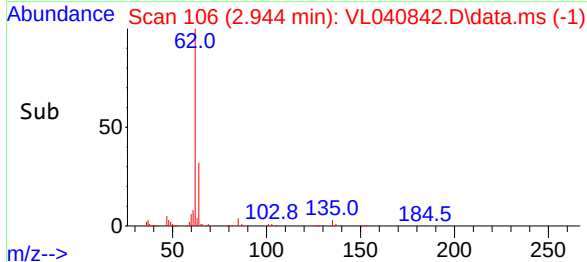
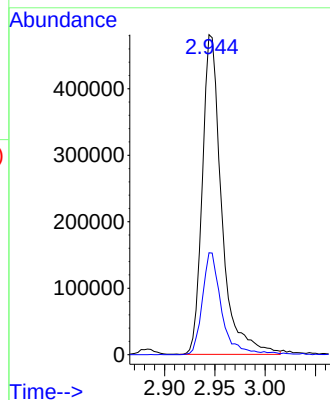
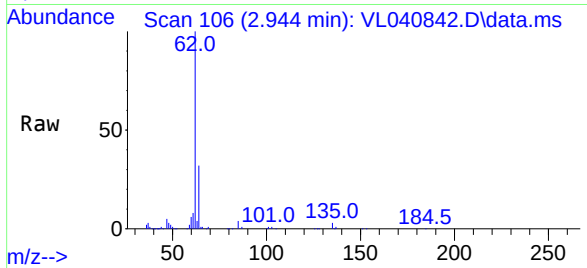




#5  
 Vinyl Chloride  
 Concen: 9.480 ppbv  
 RT: 2.944 min Scan# 106  
 Delta R.T. -0.016 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

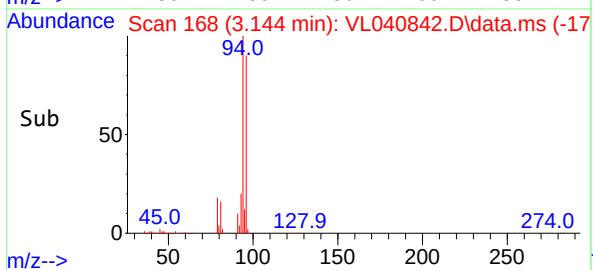
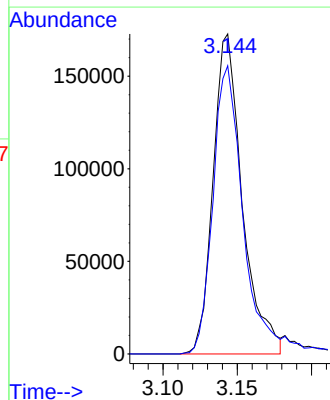
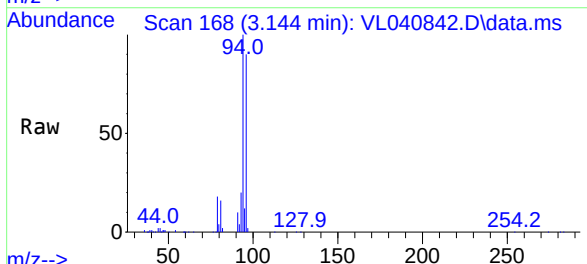
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323

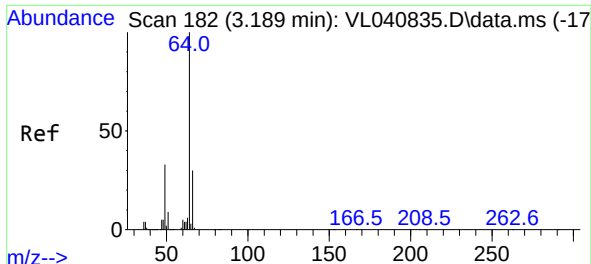
Tgt Ion: 62 Resp: 643432  
 Ion Ratio Lower Upper  
 62 100  
 64 31.9 25.4 38.2



#6  
 Bromomethane  
 Concen: 9.123 ppbv  
 RT: 3.144 min Scan# 168  
 Delta R.T. -0.013 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

Tgt Ion: 94 Resp: 236353  
 Ion Ratio Lower Upper  
 94 100  
 96 90.1 73.0 109.4

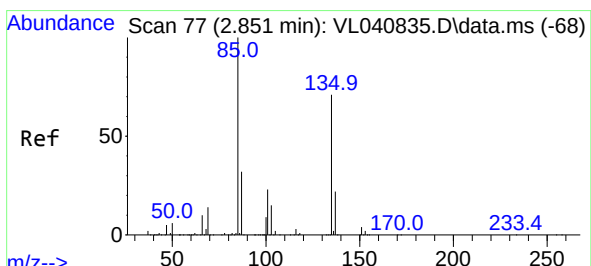
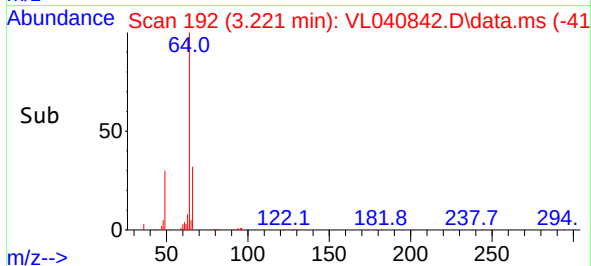
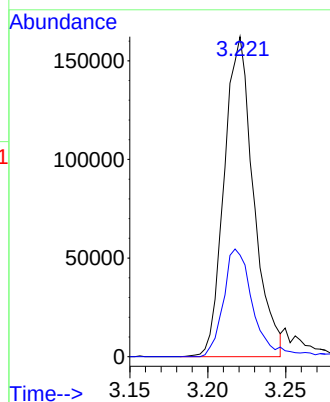
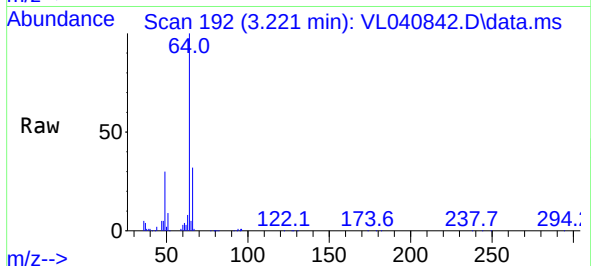




#7  
Chloroethane  
Concen: 9.033 ppbv  
RT: 3.221 min Scan# 11  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

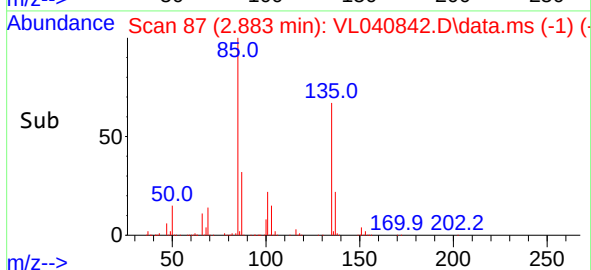
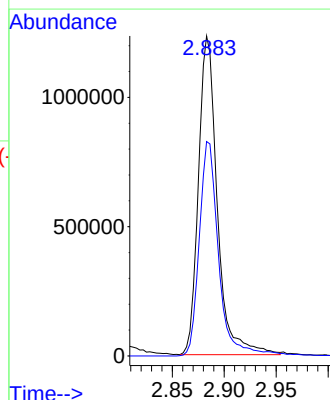
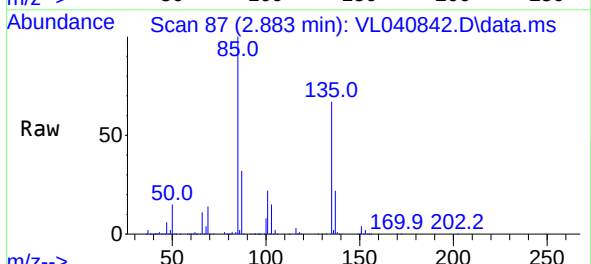
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

Tgt Ion: 64 Resp: 212295  
Ion Ratio Lower Upper  
64 100  
66 31.7 23.8 35.6

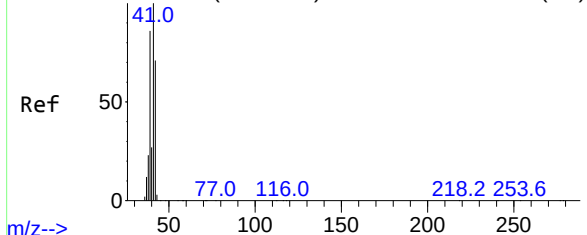


#8  
Dichlorotetrafluoroethane  
Concen: 8.969 ppbv  
RT: 2.883 min Scan# 87  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 85 Resp: 1560562  
Ion Ratio Lower Upper  
85 100  
135 69.7 55.3 82.9



Abundance Scan 26 (2.687 min): VL040835.D\data.ms (-18)



#9

Propene

Concen: 9.146 ppbv

RT: 2.722 min Scan# 31

Delta R.T. -0.016 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL111323

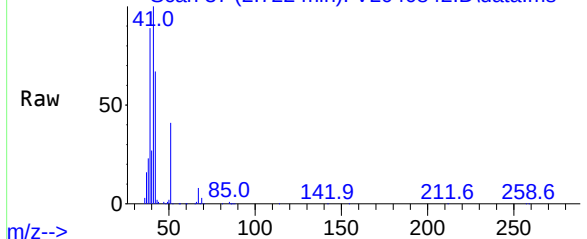
Tgt Ion: 41 Resp: 584981

Ion Ratio Lower Upper

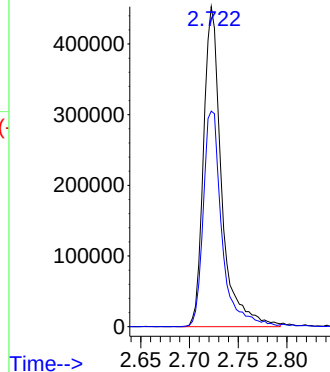
41 100

42 70.1 56.5 84.7

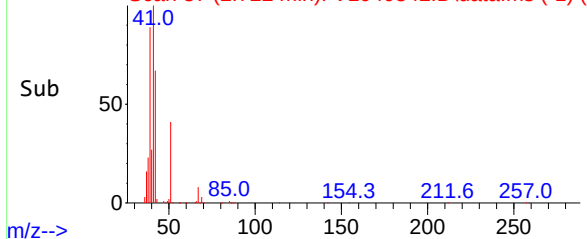
Abundance Scan 37 (2.722 min): VL040842.D\data.ms



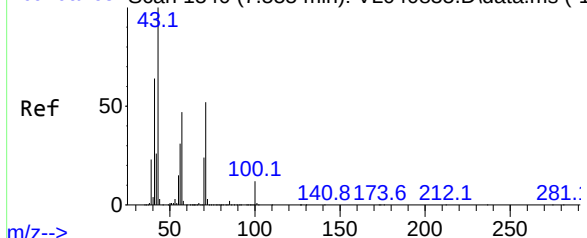
Abundance



Abundance Scan 37 (2.722 min): VL040842.D\data.ms (-1)



Abundance Scan 1540 (7.555 min): VL040835.D\data.ms (-1)



#10

Heptane

Concen: 9.306 ppbv

RT: 7.574 min Scan# 1546

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

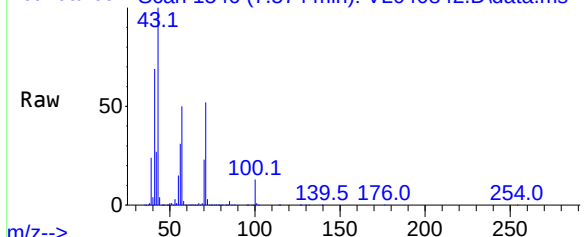
Tgt Ion: 43 Resp: 1464250

Ion Ratio Lower Upper

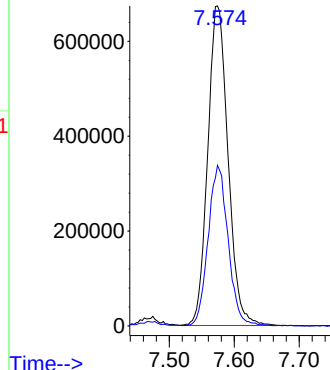
43 100

57 49.7 39.4 59.0

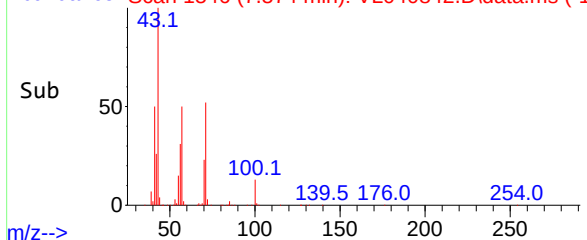
Abundance Scan 1546 (7.574 min): VL040842.D\data.ms



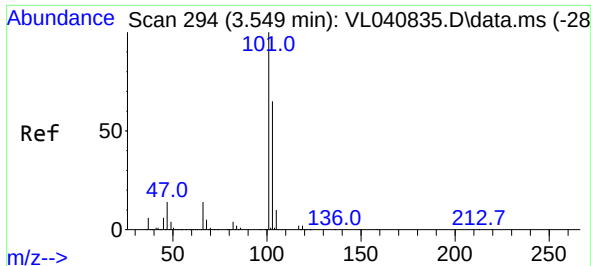
Abundance



Abundance Scan 1546 (7.574 min): VL040842.D\data.ms (-1)



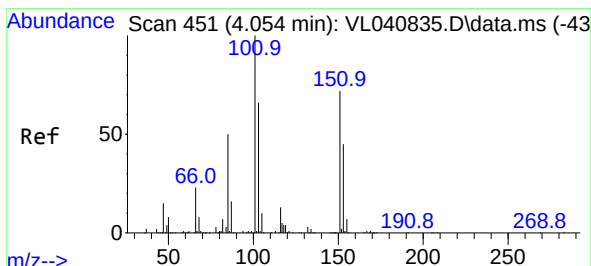
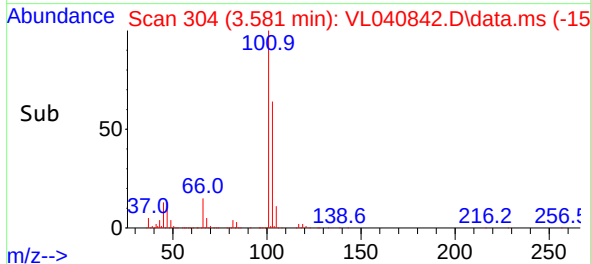
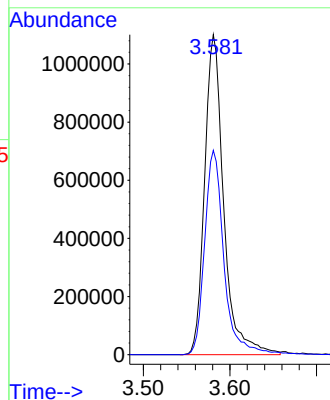
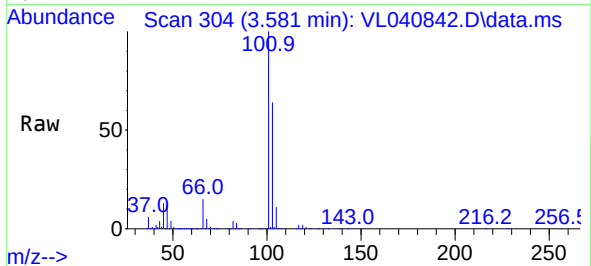




#11  
 Trichlorofluoromethane  
 Concen: 9.079 ppbv  
 RT: 3.581 min Scan# 304  
 Delta R.T. -0.013 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

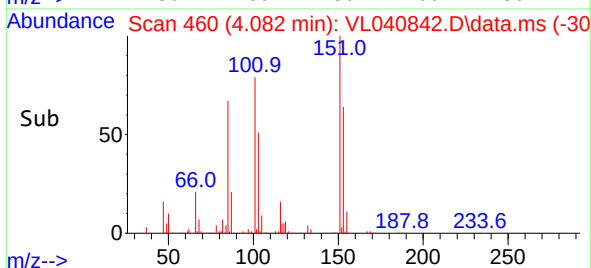
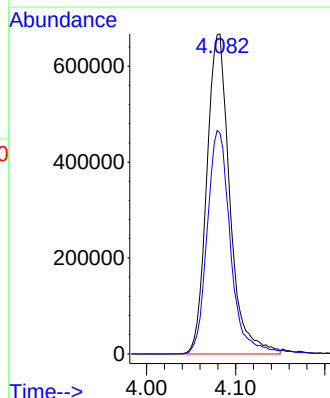
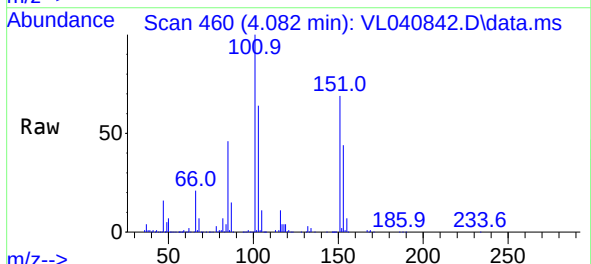
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323

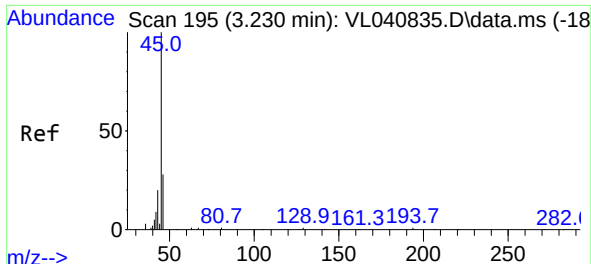
Tgt Ion:101 Resp: 1680943  
 Ion Ratio Lower Upper  
 101 100  
 103 63.8 51.8 77.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.093 ppbv  
 RT: 4.082 min Scan# 460  
 Delta R.T. -0.013 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

Tgt Ion:101 Resp: 1195987  
 Ion Ratio Lower Upper  
 101 100  
 151 71.3 57.8 86.6





#13

Ethanol

Concen: 7.928 ppbv

RT: 3.259 min Scan# 204

Delta R.T. -0.020 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

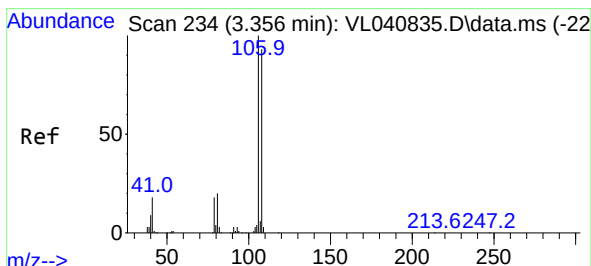
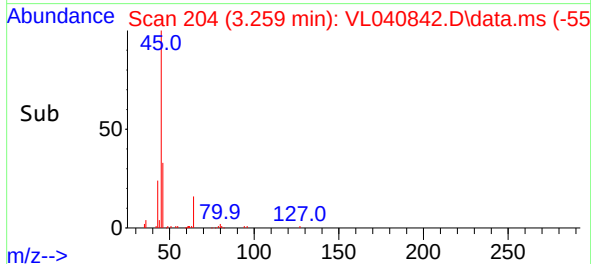
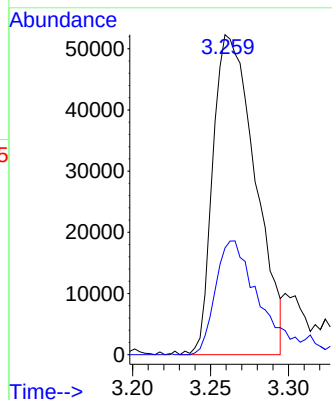
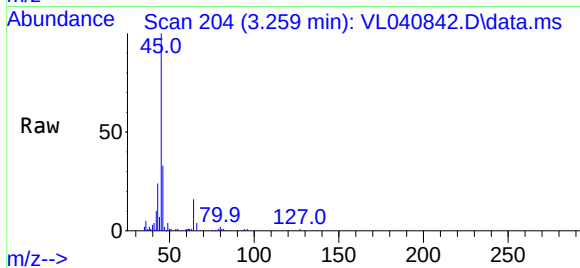
ICVVL111323

Tgt Ion: 45 Resp: 98454

Ion Ratio Lower Upper

45 100

46 41.4 0.0 0.0#



#14

Bromoethene

Concen: 9.707 ppbv

RT: 3.385 min Scan# 243

Delta R.T. -0.016 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

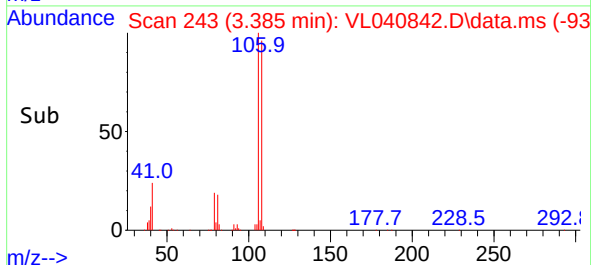
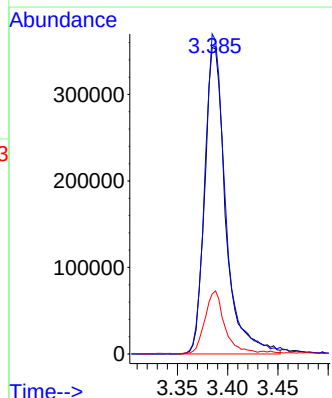
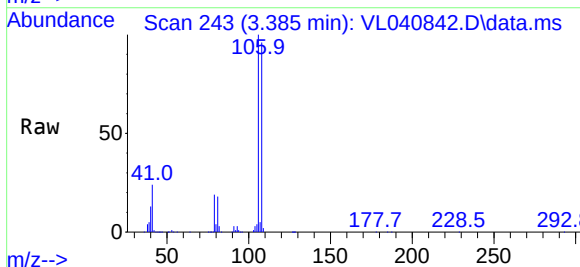
Tgt Ion: 108 Resp: 513562

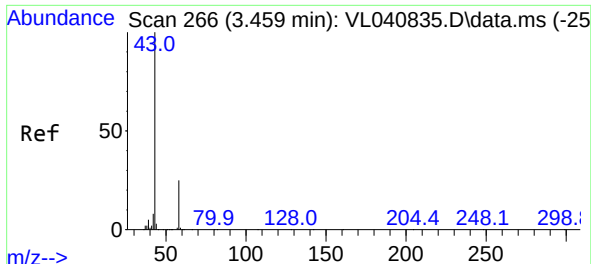
Ion Ratio Lower Upper

108 100

106 105.2 85.4 128.2

79 20.5 16.7 25.1

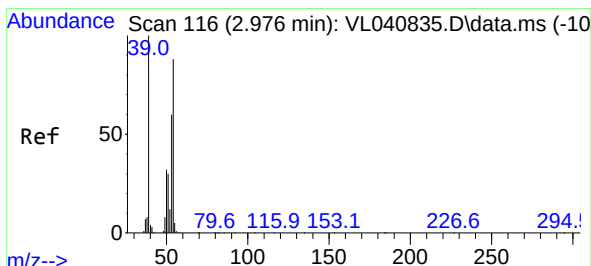
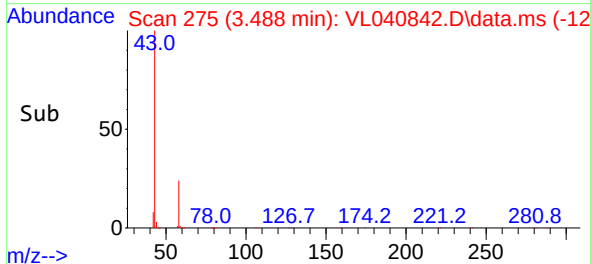
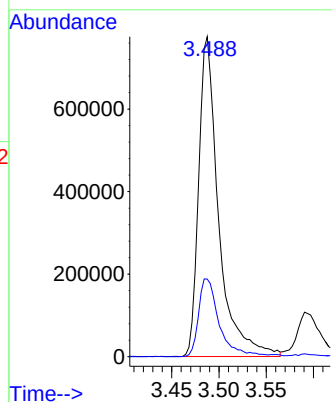
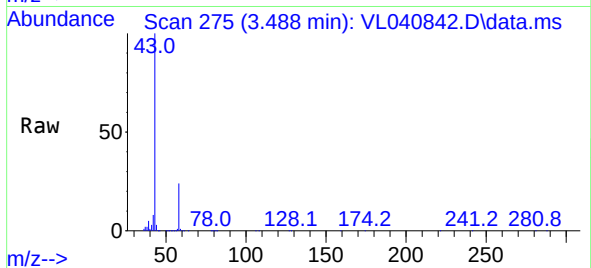




#15  
Acetone  
Concen: 8.988 ppbv  
RT: 3.488 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

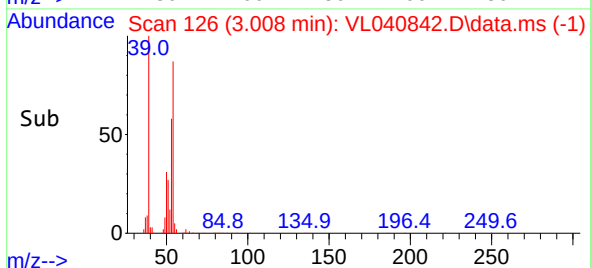
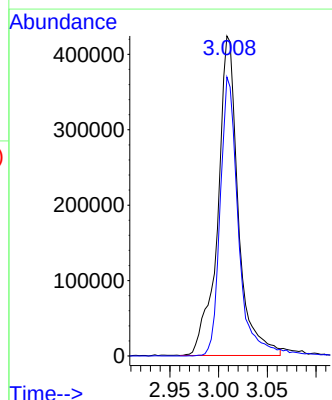
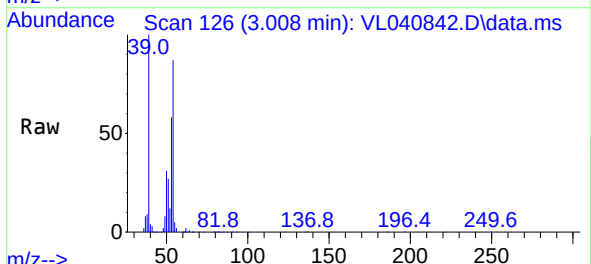
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

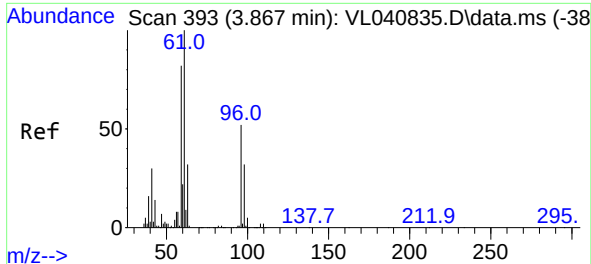
Tgt Ion: 43 Resp: 1137807  
Ion Ratio Lower Upper  
43 100  
58 25.5 20.9 31.3



#16  
1,3-Butadiene  
Concen: 9.705 ppbv  
RT: 3.008 min Scan# 126  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 39 Resp: 621599  
Ion Ratio Lower Upper  
39 100  
54 78.4 61.8 92.6





#17

tert-Butyl alcohol

Concen: 9.366 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_1

ClientSampleId :

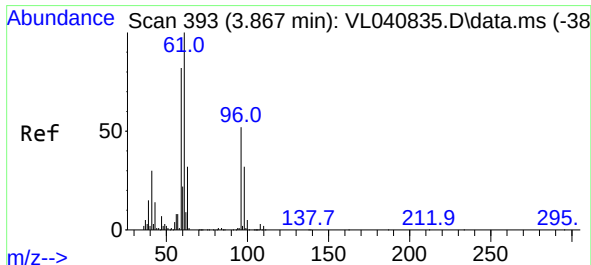
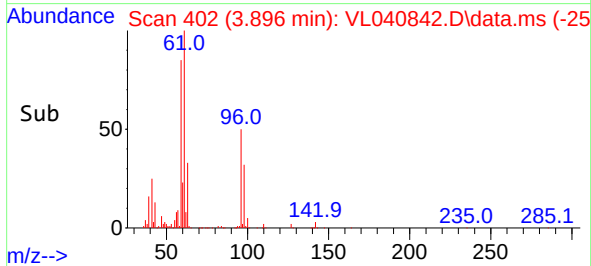
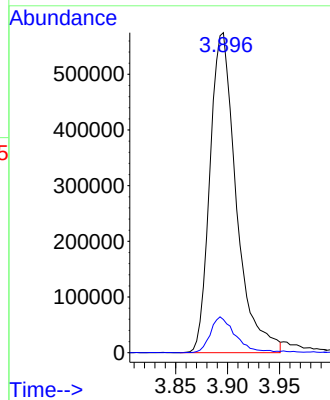
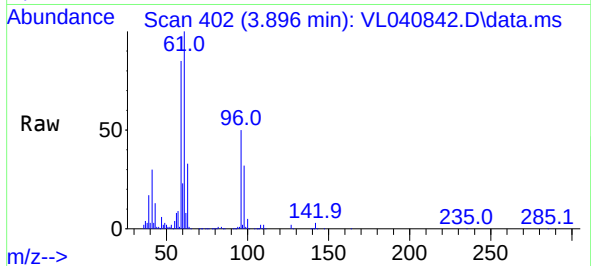
ICVVL111323

Tgt Ion: 59 Resp: 1013933

Ion Ratio Lower Upper

59 100

57 11.2 9.0 13.4



#18

1,1-Dichloroethene

Concen: 8.957 ppbv

RT: 3.896 min Scan# 402

Delta R.T. -0.016 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

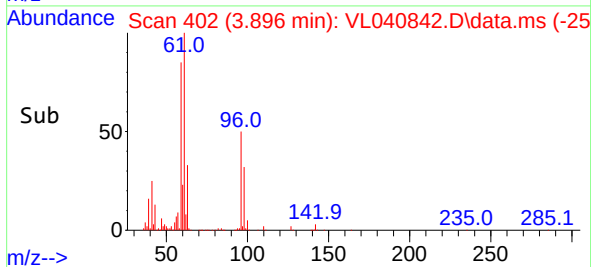
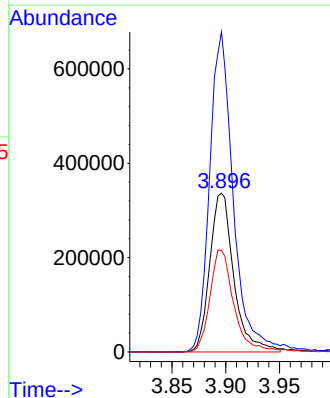
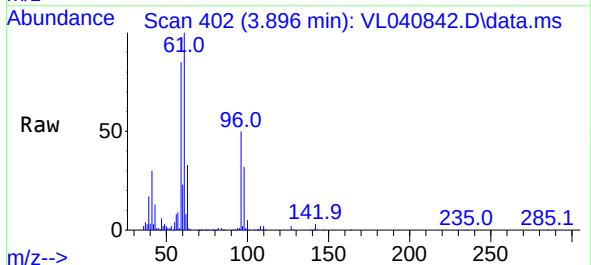
Tgt Ion: 96 Resp: 525126

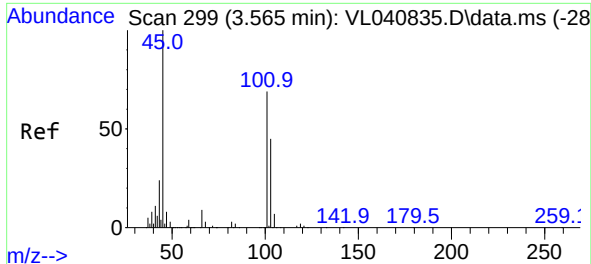
Ion Ratio Lower Upper

96 100

61 201.6 152.6 228.8

98 64.0 49.2 73.8





#19

Isopropyl Alcohol

Concen: 9.733 ppbv

RT: 3.594 min Scan# 308

Delta R.T. -0.016 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

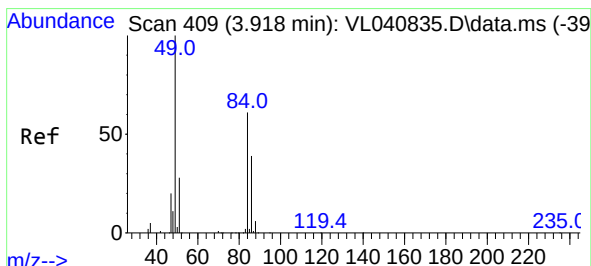
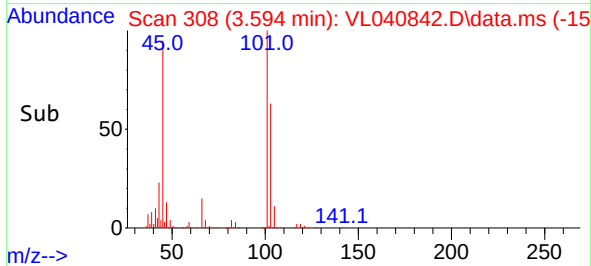
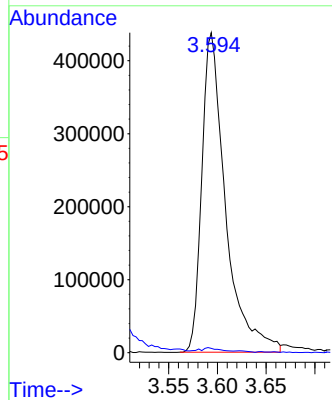
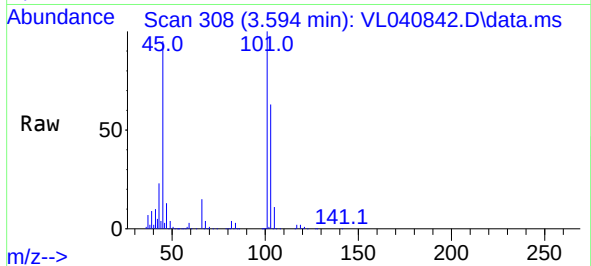
ICVVL111323

Tgt Ion: 45 Resp: 741496

Ion Ratio Lower Upper

45 100

58 2.1 1.6 2.4



#20

Methylene Chloride

Concen: 8.217 ppbv

RT: 3.947 min Scan# 418

Delta R.T. -0.016 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Tgt Ion: 84 Resp: 429284

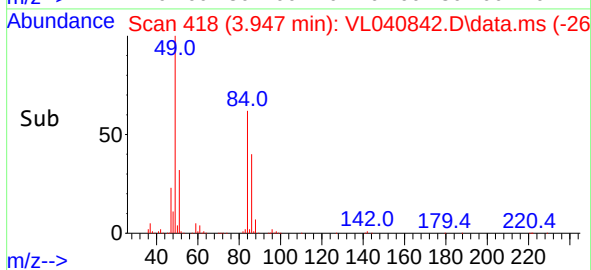
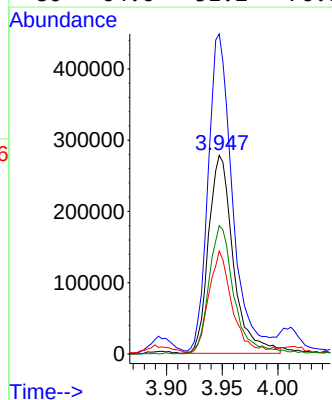
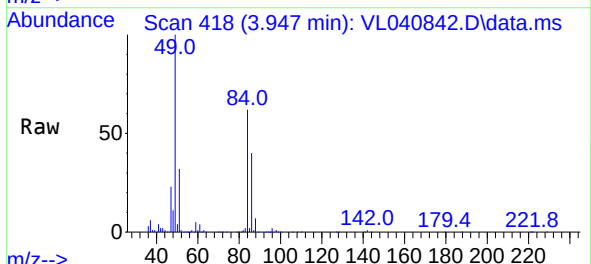
Ion Ratio Lower Upper

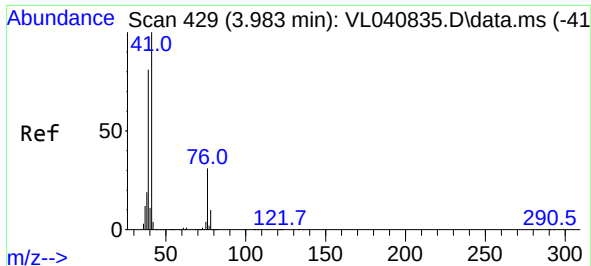
84 100

49 159.0 131.0 196.4

51 50.2 36.9 55.3

86 64.6 51.2 76.8





#21

Allyl Chloride

Concen: 9.489 ppbv

RT: 4.012 min Scan# 41

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL111323

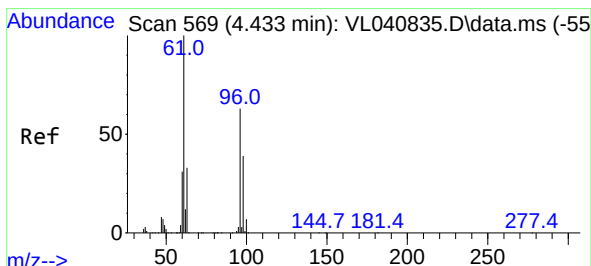
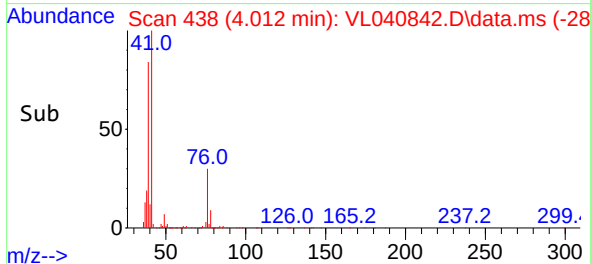
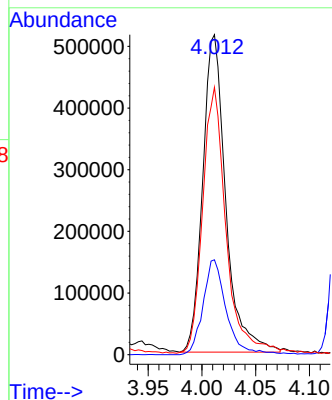
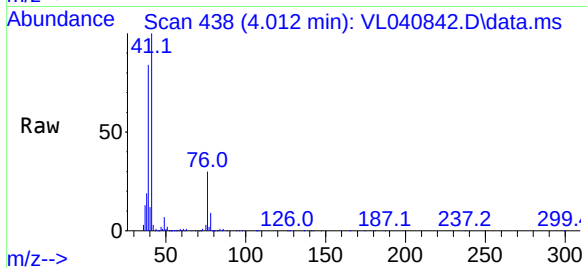
Tgt Ion: 41 Resp: 768786

Ion Ratio Lower Upper

41 100

76 30.4 24.4 36.6

39 85.0 68.1 102.1



#22

trans-1,2-Dichloroethene

Concen: 8.564 ppbv

RT: 4.455 min Scan# 576

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

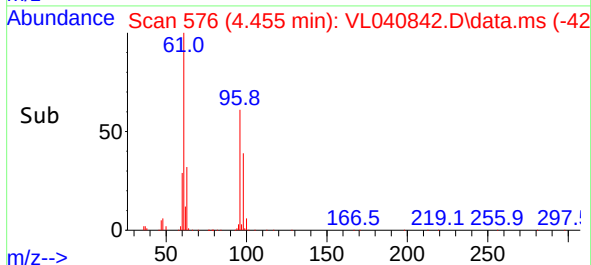
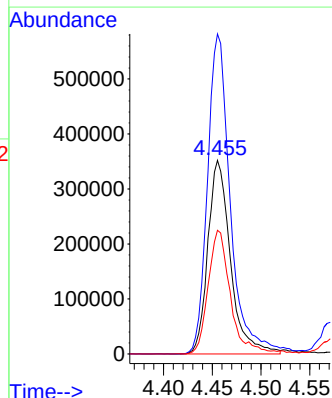
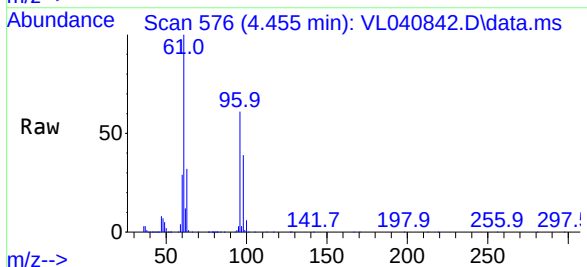
Tgt Ion: 96 Resp: 569825

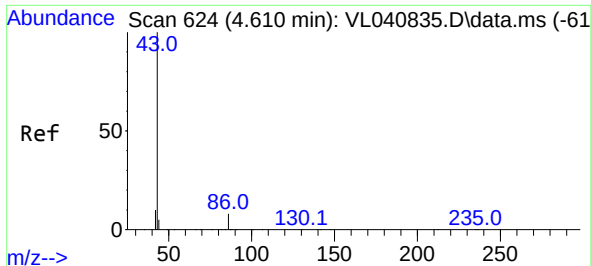
Ion Ratio Lower Upper

96 100

61 165.2 126.8 190.2

98 63.8 49.9 74.9



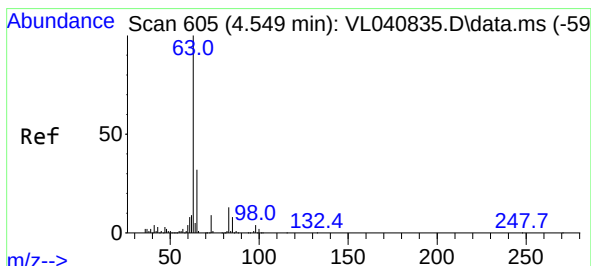
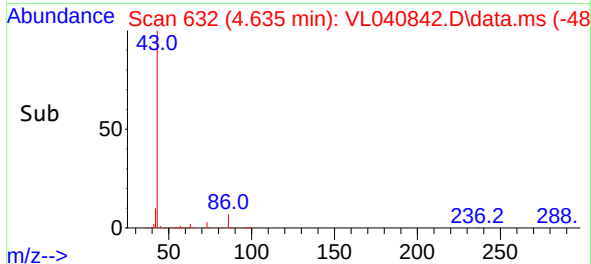
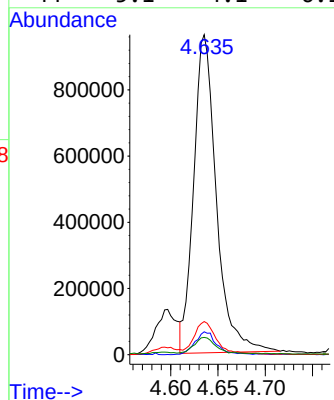
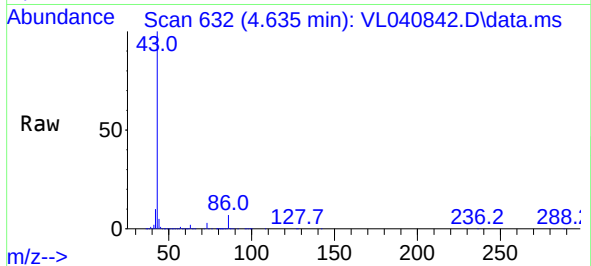


#23  
Vinyl Acetate  
Concen: 9.808 ppbv  
RT: 4.635 min Scan# 612  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

Tgt Ion: 43 Resp: 1603288

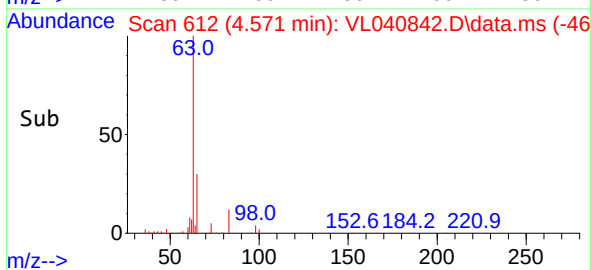
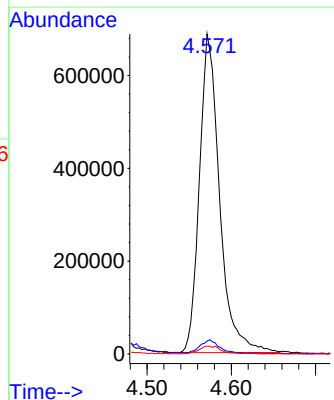
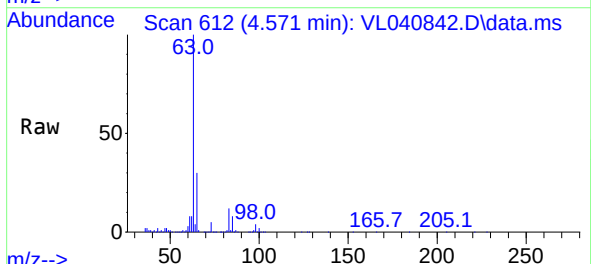
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.1   | 5.5   | 8.3   |
| 42  | 10.3  | 8.2   | 12.2  |
| 44  | 5.1   | 4.1   | 6.1   |

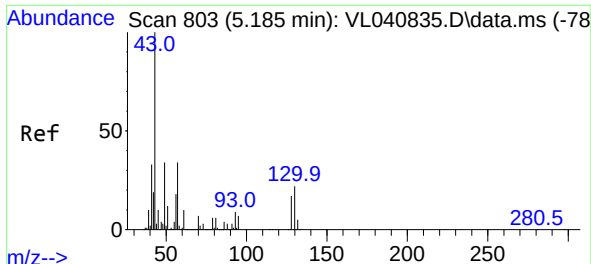


#24  
1,1-Dichloroethane  
Concen: 7.860 ppbv  
RT: 4.571 min Scan# 612  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 63 Resp: 1145256

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 3.9   | 2.2   | 6.6   |
| 100 | 2.4   | 1.0   | 3.0   |





#25

Ethyl Acetate

Concen: 9.463 ppbv

RT: 5.208 min Scan# 810

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

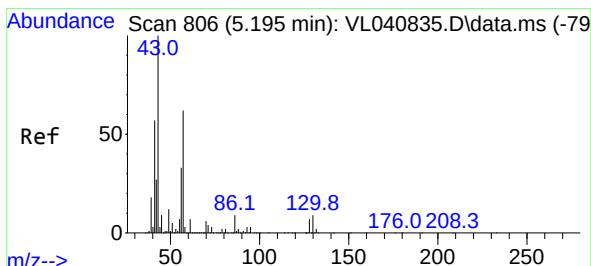
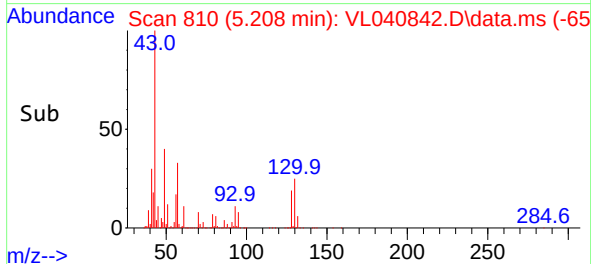
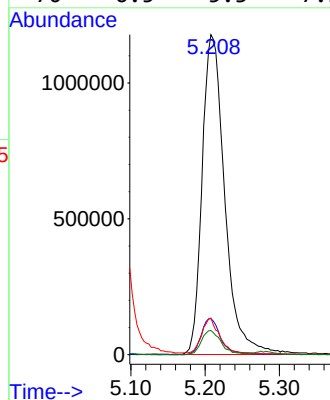
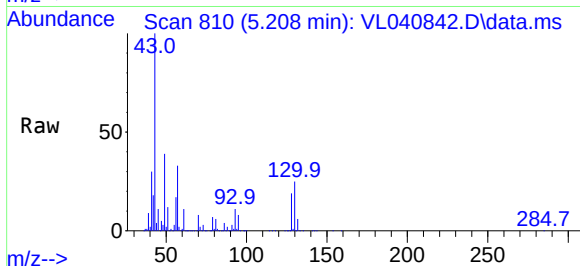
MSVOA\_L

ClientSampleId :

ICVVL111323

Tgt Ion: 43 Resp: 2480499

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.0  | 8.1   | 12.1  |
| 61  | 10.4  | 7.8   | 11.6  |
| 70  | 6.5   | 5.3   | 7.9   |



#26

Hexane

Concen: 9.262 ppbv

RT: 5.217 min Scan# 813

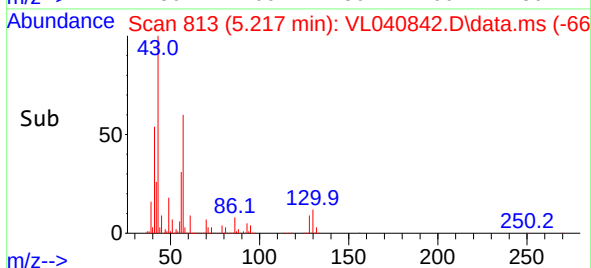
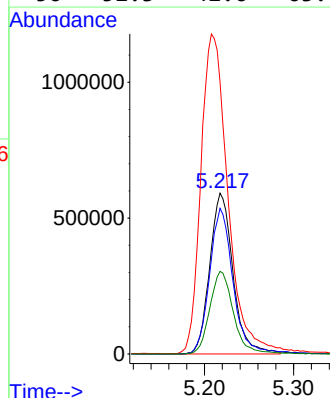
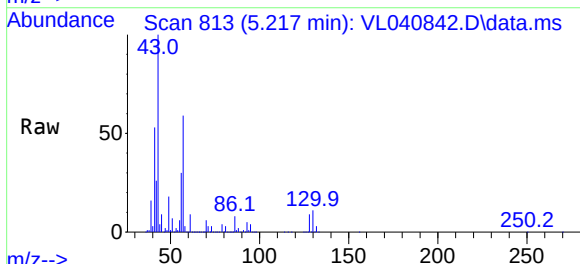
Delta R.T. -0.013 min

Lab File: VL040842.D

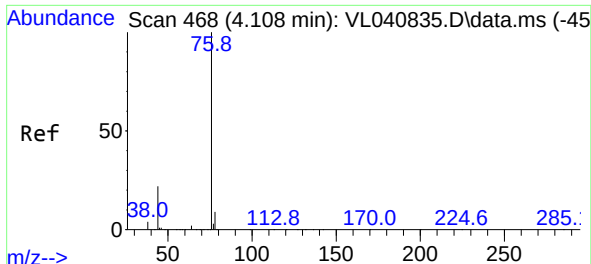
Acq: 13 Nov 2023 16:01

Tgt Ion: 57 Resp: 1074548

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.2  | 75.4  | 113.0 |
| 43  | 233.5 | 185.9 | 278.9 |
| 56  | 52.3  | 42.6  | 63.8  |



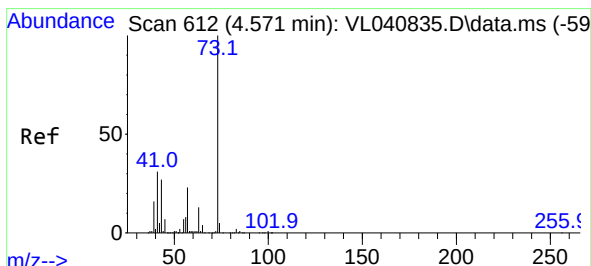
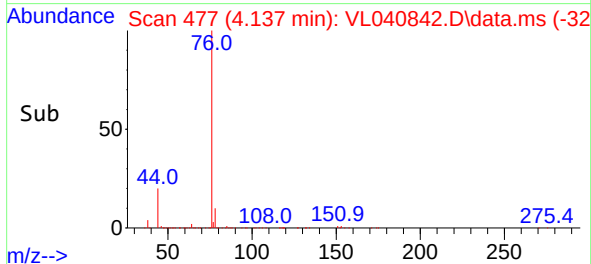
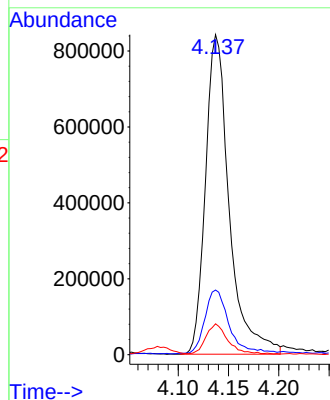
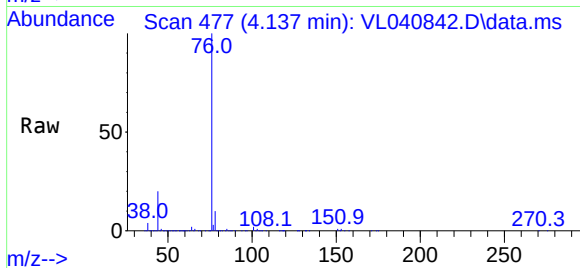




#27  
Carbon Disulfide  
Concen: 9.398 ppbv  
RT: 4.137 min Scan# 41  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

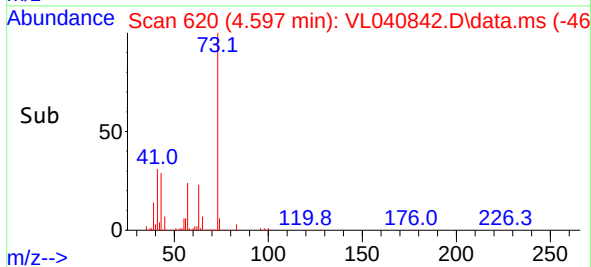
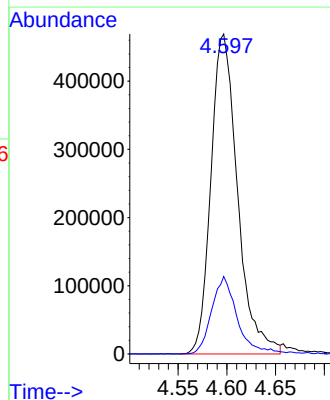
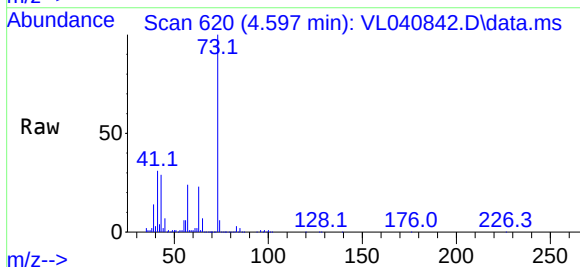
Instrument :  
MSVOA\_1  
ClientSampleId :  
ICVVL111323

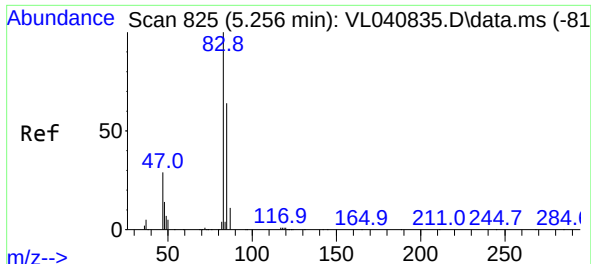
Tgt Ion: 76 Resp: 1382530  
Ion Ratio Lower Upper  
76 100  
44 21.0 16.7 25.1  
78 9.4 7.6 11.4



#28  
Methyl tert-Butyl Ether  
Concen: 8.499 ppbv  
RT: 4.597 min Scan# 620  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 73 Resp: 891686  
Ion Ratio Lower Upper  
73 100  
57 23.7 18.0 27.0





#29

Chloroform

Concen: 9.048 ppbv

RT: 5.282 min Scan# 81

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

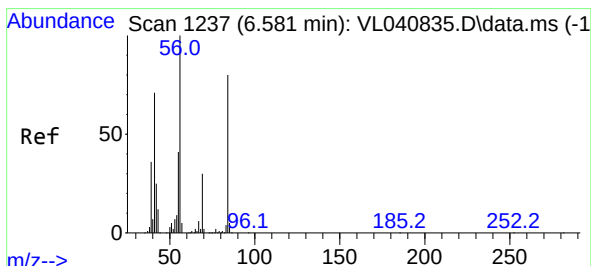
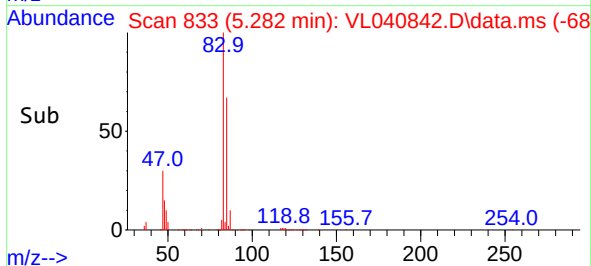
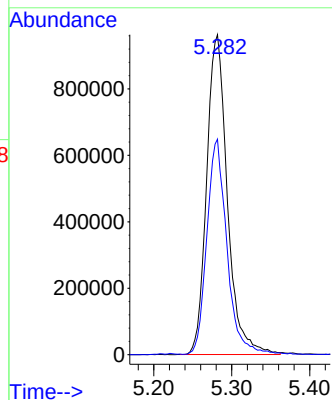
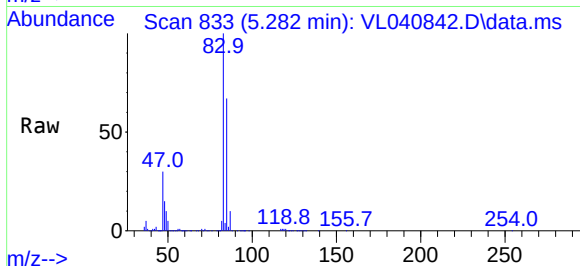
ICVVL111323

Tgt Ion: 83 Resp: 1779044

Ion Ratio Lower Upper

83 100

85 67.2 51.4 77.0



#30

Cyclohexane

Concen: 9.383 ppbv

RT: 6.600 min Scan# 1243

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

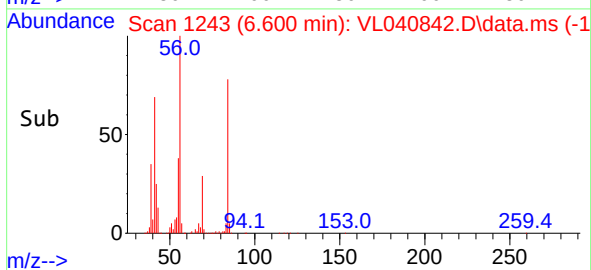
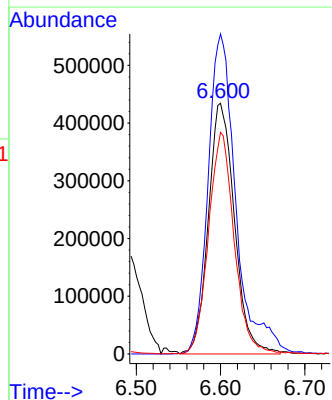
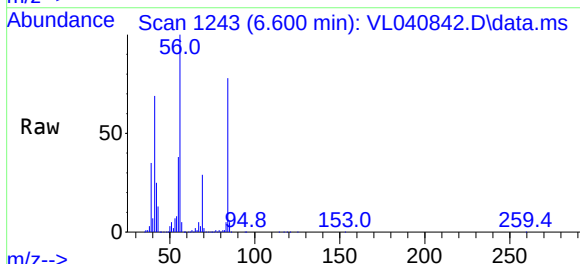
Tgt Ion: 84 Resp: 936472

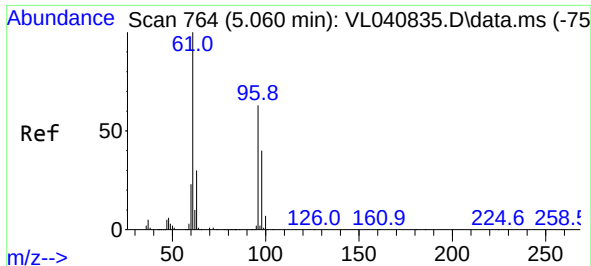
Ion Ratio Lower Upper

84 100

56 136.2 109.3 163.9

41 86.6 71.4 107.2

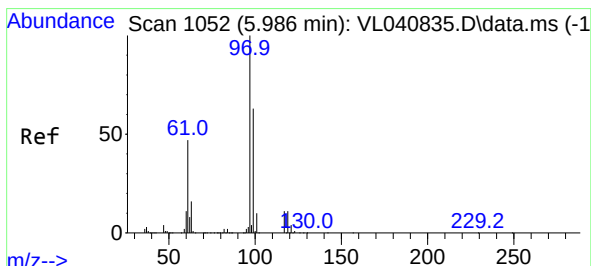
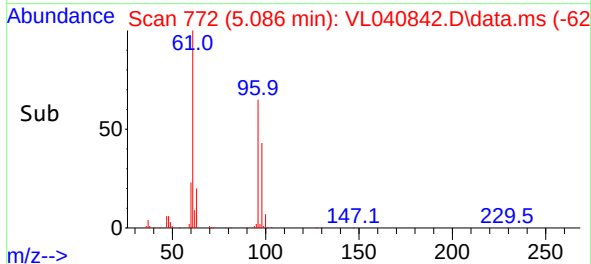
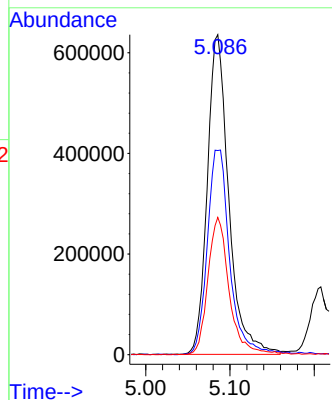
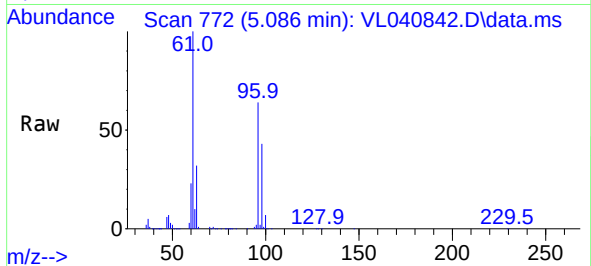




#31  
cis-1,2-Dichloroethene  
Concen: 9.804 ppbv  
RT: 5.086 min Scan# 71  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

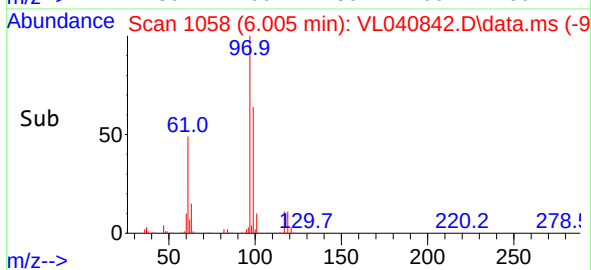
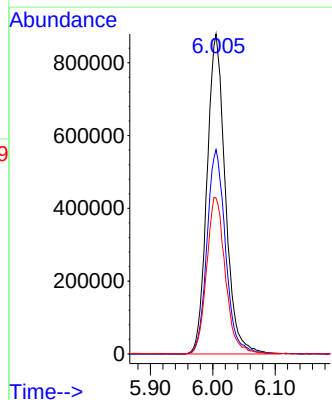
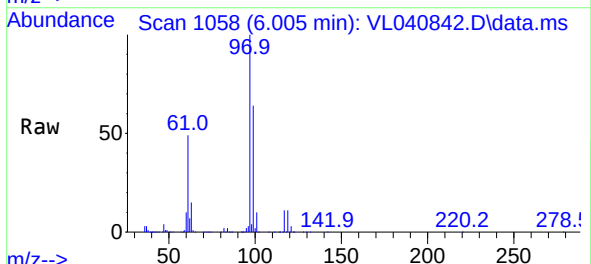
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

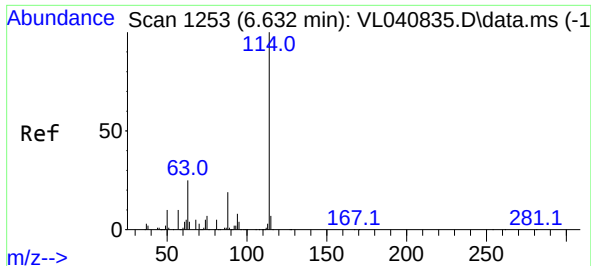
Tgt Ion: 61 Resp: 1125466  
Ion Ratio Lower Upper  
61 100  
96 63.8 50.5 75.7  
98 42.9 31.9 47.9



#32  
1,1,1-Trichloroethane  
Concen: 9.778 ppbv  
RT: 6.005 min Scan# 1058  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 97 Resp: 1793724  
Ion Ratio Lower Upper  
97 100  
99 64.8 52.2 78.4  
61 50.2 41.0 61.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 114

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL111323

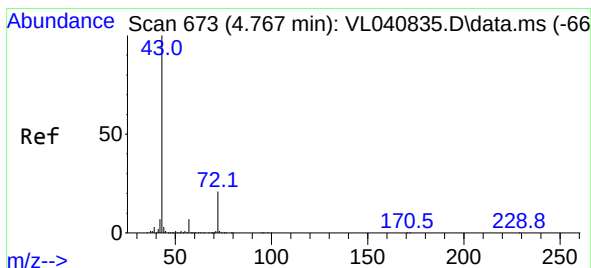
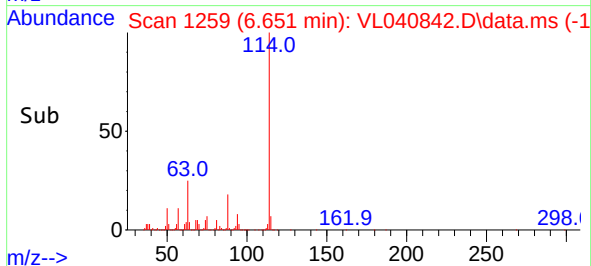
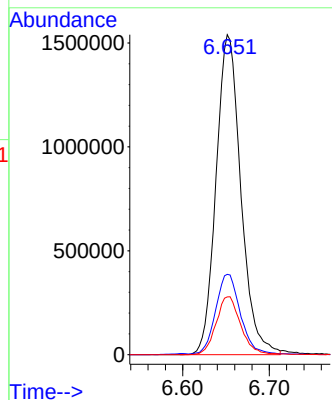
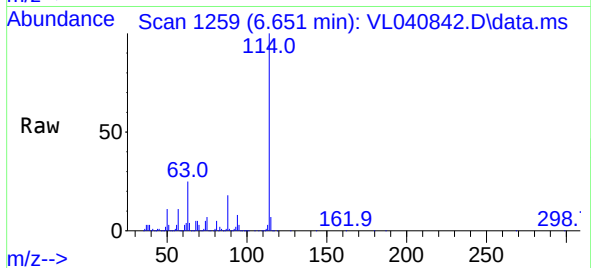
Tgt Ion:114 Resp: 3060801

Ion Ratio Lower Upper

114 100

63 25.7 20.9 31.3

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 9.759 ppbv

RT: 4.793 min Scan# 681

Delta R.T. -0.013 min

Lab File: VL040842.D

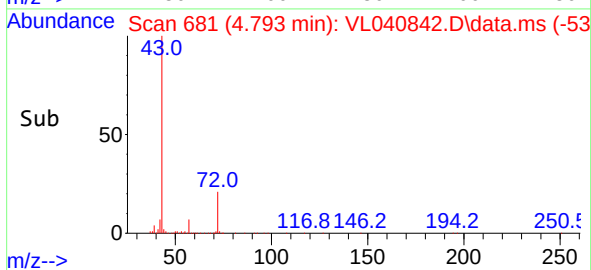
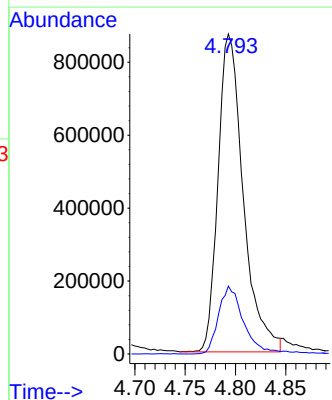
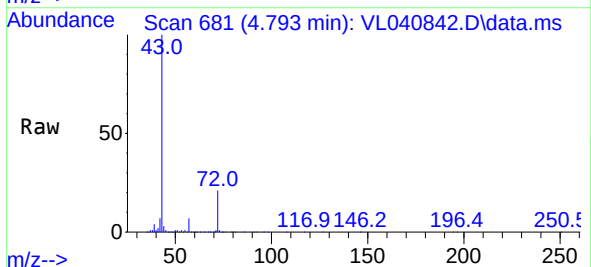
Acq: 13 Nov 2023 16:01

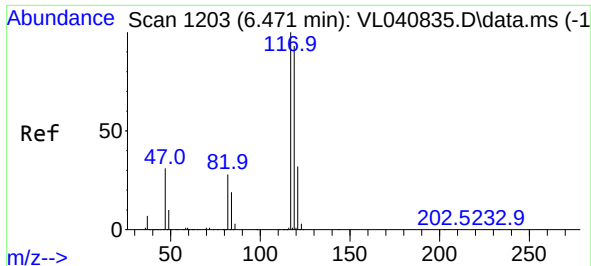
Tgt Ion: 43 Resp: 1521674

Ion Ratio Lower Upper

43 100

72 22.0 17.2 25.8

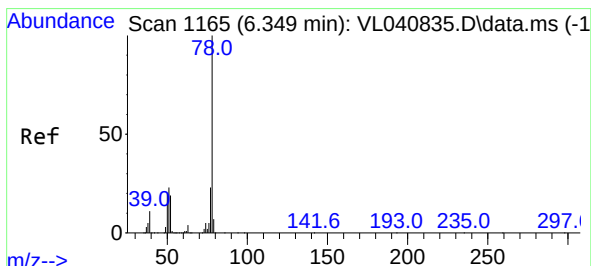
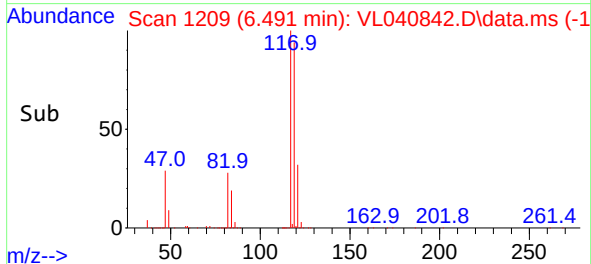
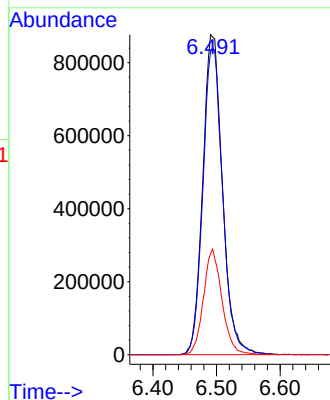
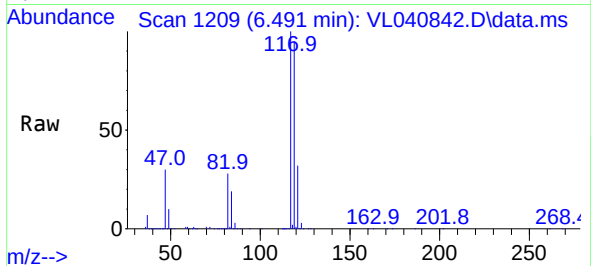




#35  
Carbon Tetrachloride  
Concen: 10.045 ppbv  
RT: 6.491 min Scan# 1172  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

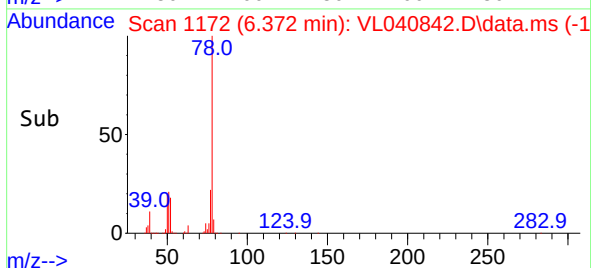
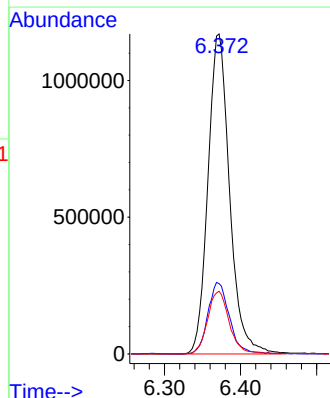
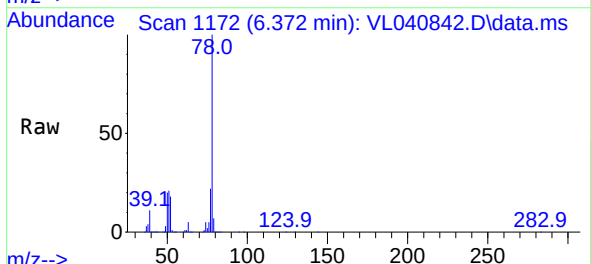
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

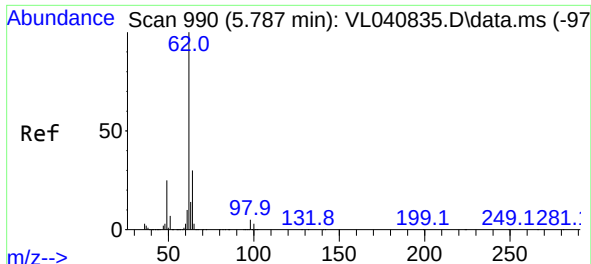
Tgt Ion:117 Resp: 1886320  
Ion Ratio Lower Upper  
117 100  
119 94.7 74.7 112.1  
121 31.6 25.5 38.3



#36  
Benzene  
Concen: 9.300 ppbv  
RT: 6.372 min Scan# 1172  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 78 Resp: 2310381  
Ion Ratio Lower Upper  
78 100  
77 22.0 18.4 27.6  
50 19.6 16.2 24.2

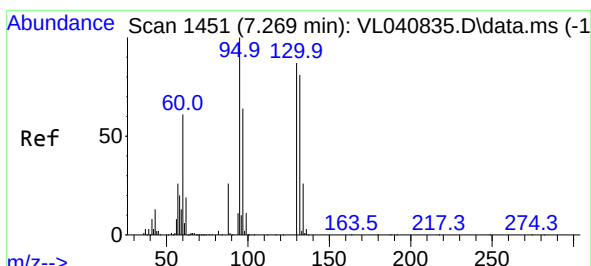
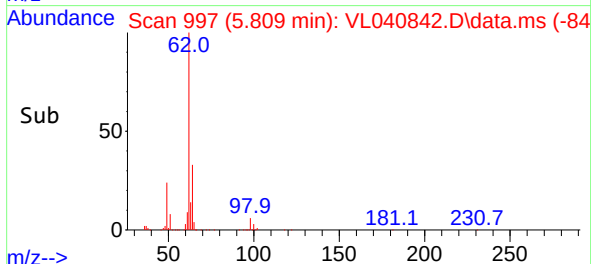
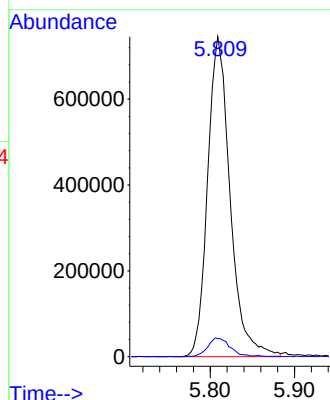
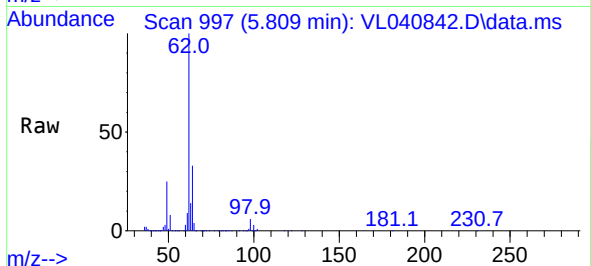




#37  
1,2-Dichloroethane  
Concen: 9.440 ppbv  
RT: 5.809 min Scan# 990  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

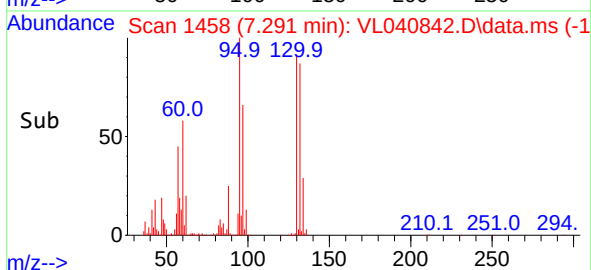
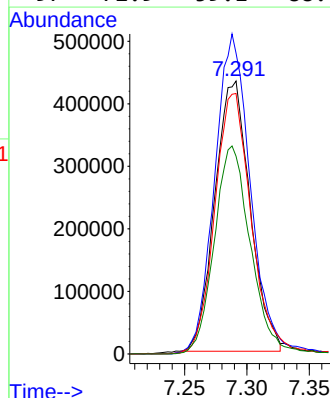
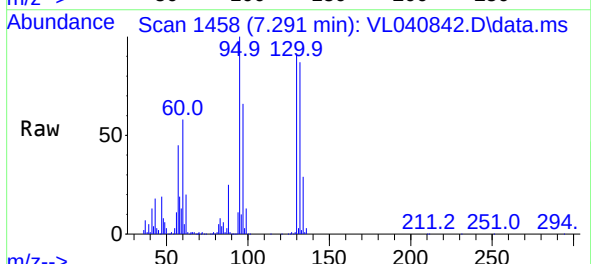
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

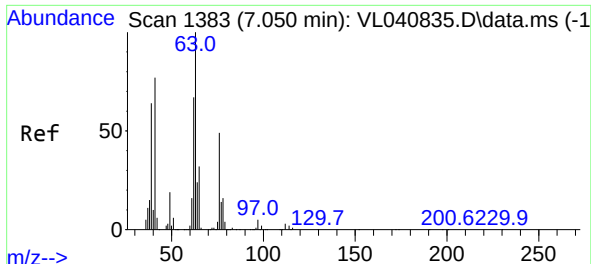
Tgt Ion: 62 Resp: 1383005  
Ion Ratio Lower Upper  
62 100  
98 6.0 4.6 6.8



#38  
Trichloroethene  
Concen: 8.842 ppbv  
RT: 7.291 min Scan# 1458  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:130 Resp: 853726  
Ion Ratio Lower Upper  
130 100  
95 110.7 92.4 138.6  
132 96.1 75.1 112.7  
97 72.9 59.1 88.7





#39

1,2-Dichloropropane

Concen: 9.173 ppbv

RT: 7.073 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL111323

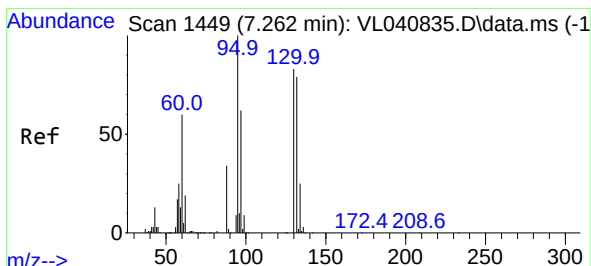
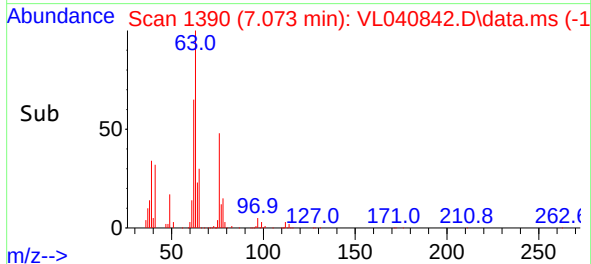
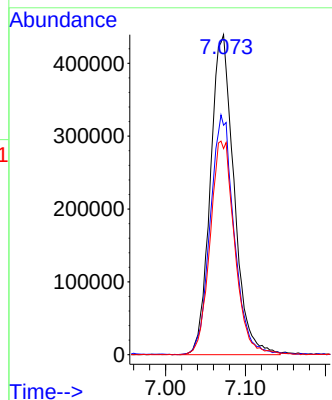
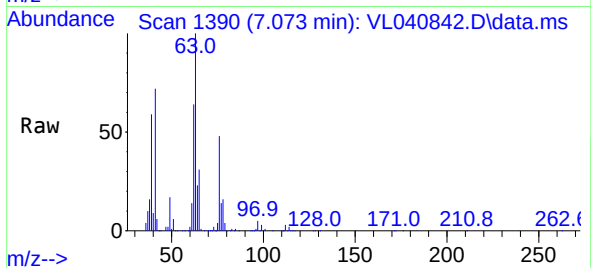
Tgt Ion: 63 Resp: 903522

Ion Ratio Lower Upper

63 100

41 71.6 61.5 92.3

62 64.4 53.9 80.9



#40

1,4-Dioxane

Concen: 8.652 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. -0.010 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Tgt Ion: 88 Resp: 338140

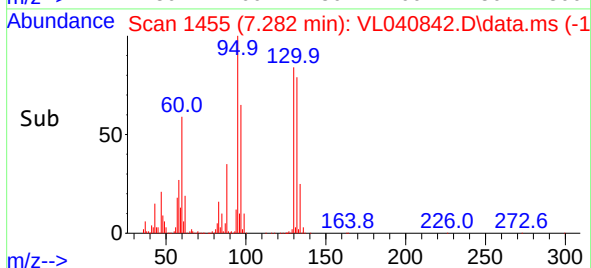
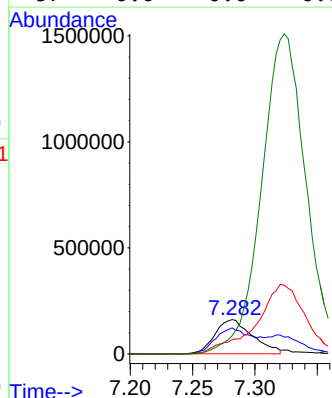
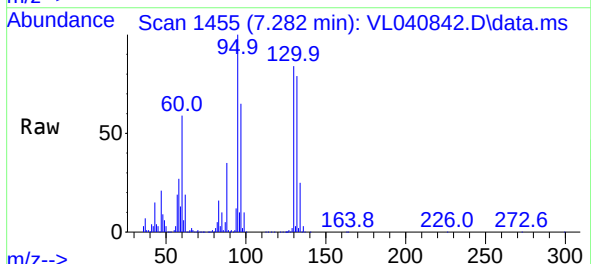
Ion Ratio Lower Upper

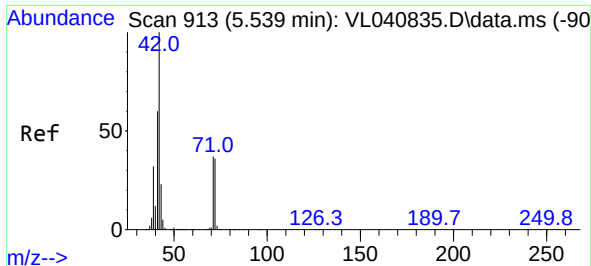
88 100

58 129.5 101.0 151.6

43 0.0 0.0 0.0

57 0.0 0.0 0.0

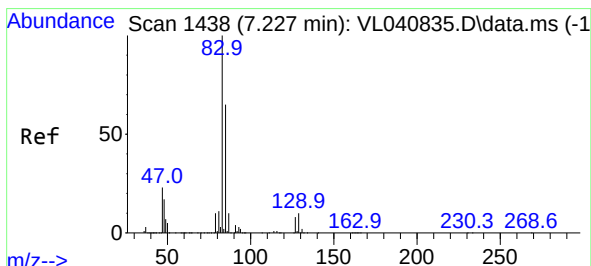
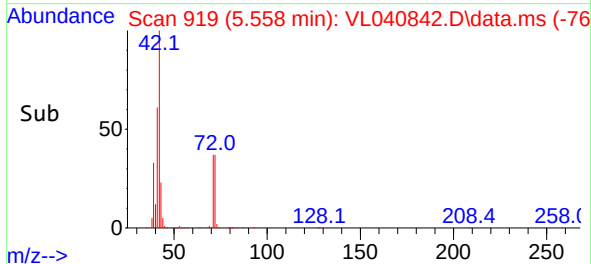
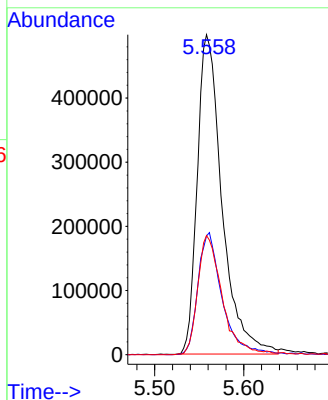
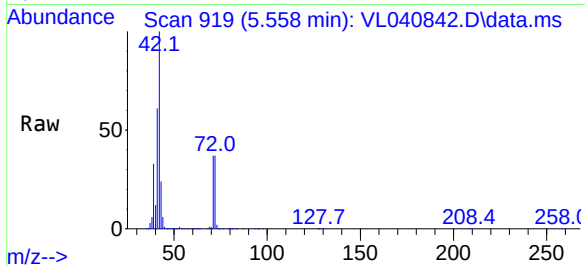




#41  
Tetrahydrofuran  
Concen: 10.023 ppbv  
RT: 5.558 min Scan# 913  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

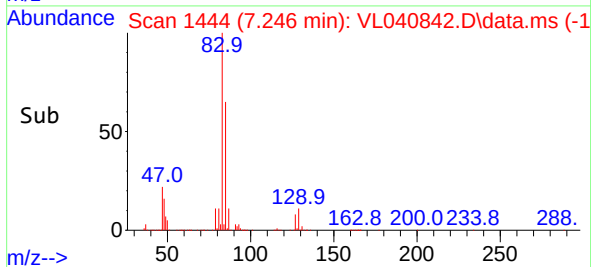
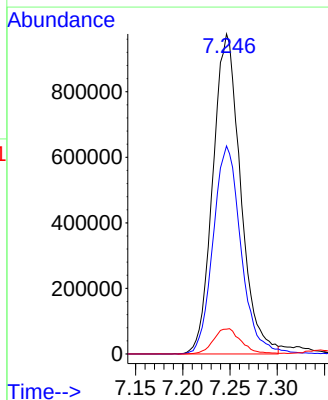
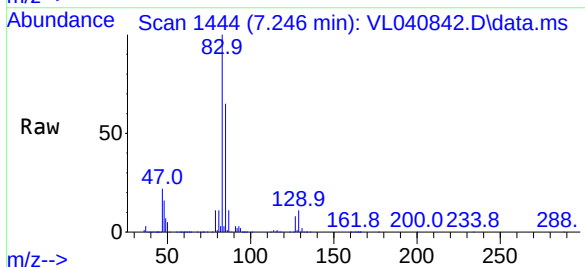
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

Tgt Ion: 42 Resp: 962225  
Ion Ratio Lower Upper  
42 100  
72 38.1 30.8 46.2  
71 37.2 30.0 45.0

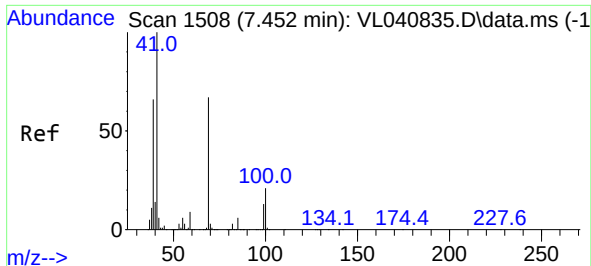


#42  
Bromodichloromethane  
Concen: 9.494 ppbv  
RT: 7.246 min Scan# 1444  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 83 Resp: 1990673  
Ion Ratio Lower Upper  
83 100  
85 65.0 52.3 78.5  
127 7.7 6.6 10.0



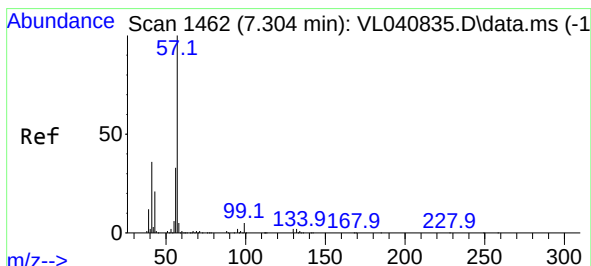
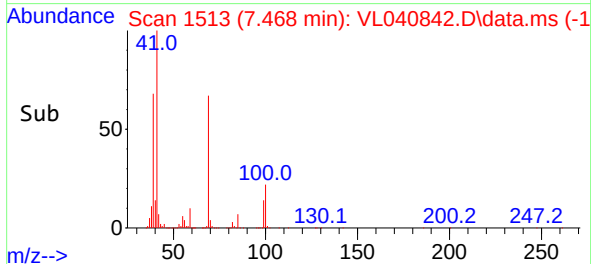
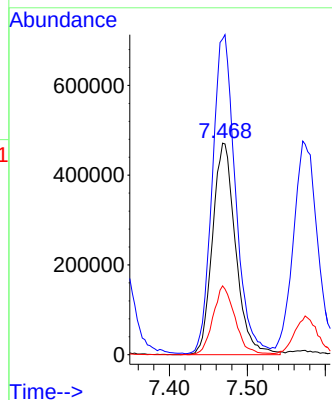
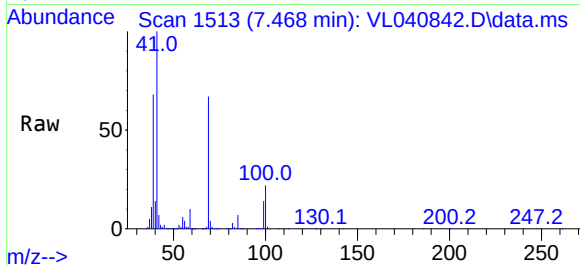




#43  
Methyl Methacrylate  
Concen: 10.237 ppbv  
RT: 7.468 min Scan# 11  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

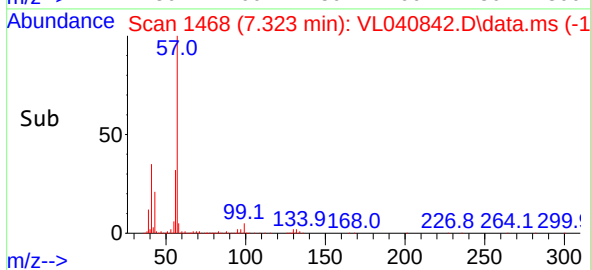
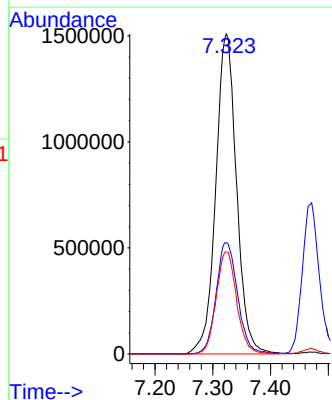
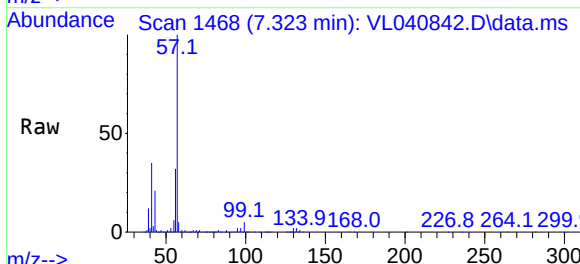
Instrument :  
MSVOA\_1  
ClientSampleId :  
ICVVL111323

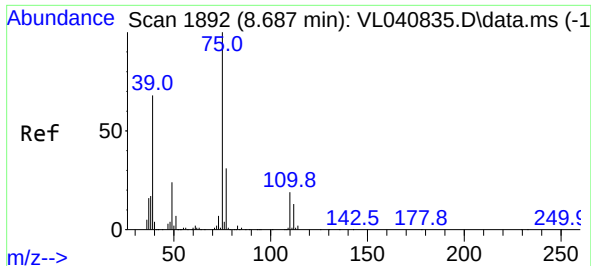
Tgt Ion: 69 Resp: 969064  
Ion Ratio Lower Upper  
69 100  
41 152.3 123.0 184.4  
100 31.1 25.4 38.2



#44  
2,2,4-Trimethylpentane  
Concen: 9.139 ppbv  
RT: 7.323 min Scan# 1468  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 57 Resp: 3770963  
Ion Ratio Lower Upper  
57 100  
41 36.0 29.0 43.6  
56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 11.154 ppbv

RT: 8.703 min Scan# 11

Delta R.T. -0.007 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

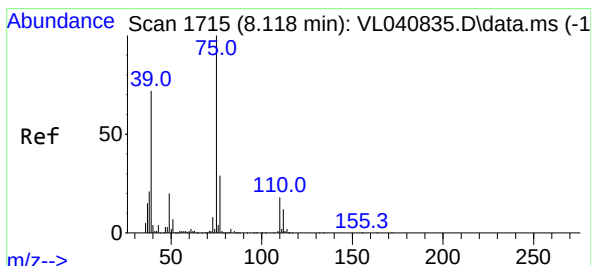
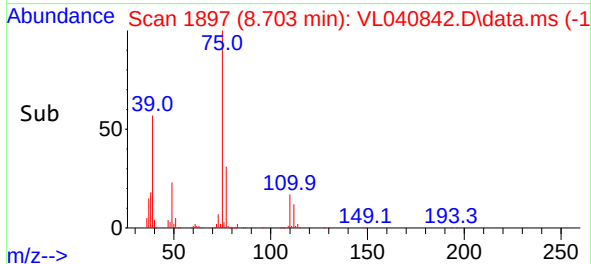
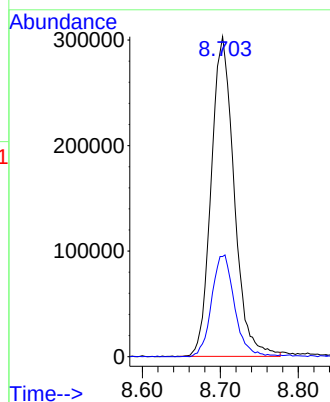
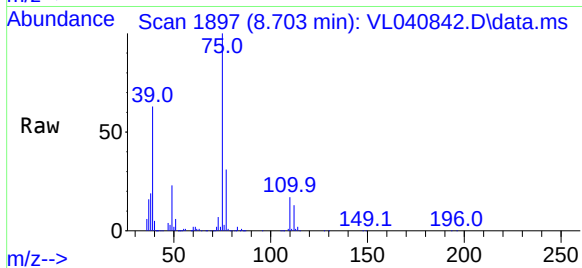
ICVVL111323

Tgt Ion: 75 Resp: 620480

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3



#46

cis-1,3-Dichloropropene

Concen: 10.521 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. -0.013 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

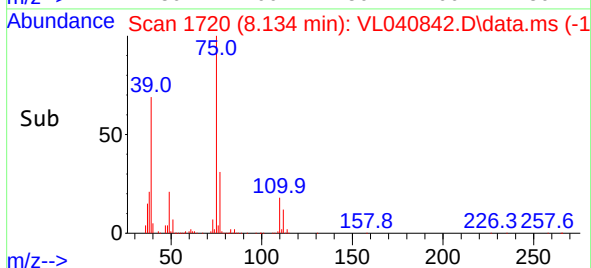
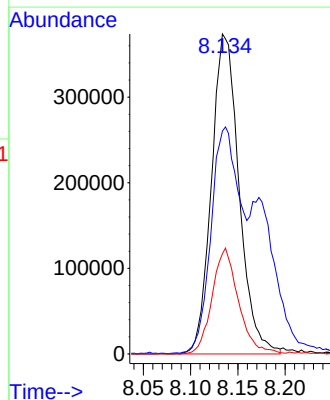
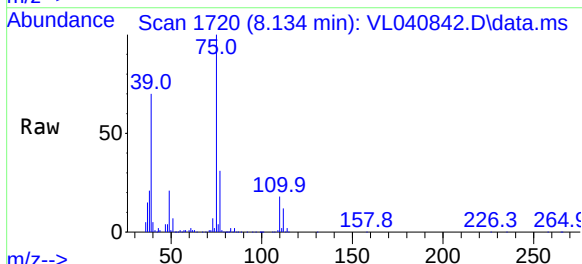
Tgt Ion: 75 Resp: 758840

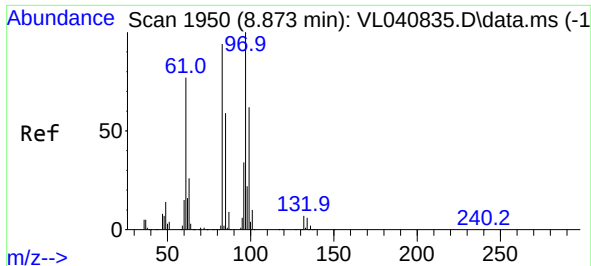
Ion Ratio Lower Upper

75 100

39 69.4 57.3 85.9

77 31.3 23.0 34.6





#47

1,1,2-Trichloroethane

Concen: 9.201 ppbv

RT: 8.889 min Scan# 1950

Delta R.T. -0.010 min

Lab File: VL040842.D

Acq: 13 Nov 2023 16:01

Instrument :

MSVOA\_L

ClientSampleId :

ICVVL111323

Tgt Ion: 97 Resp: 949609

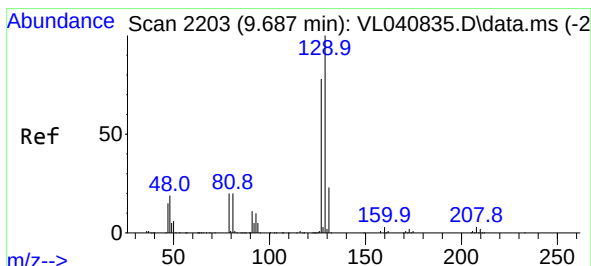
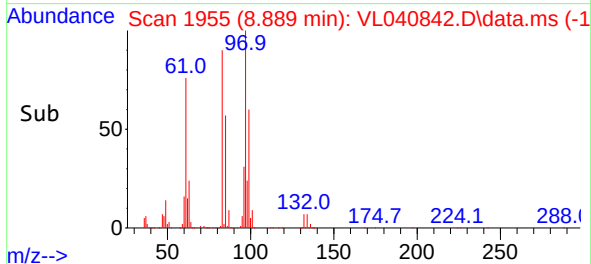
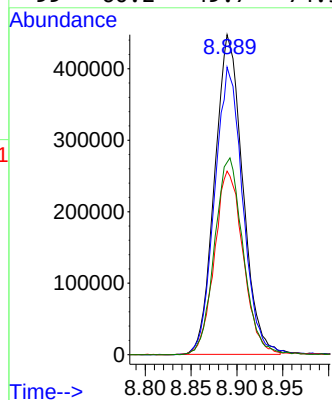
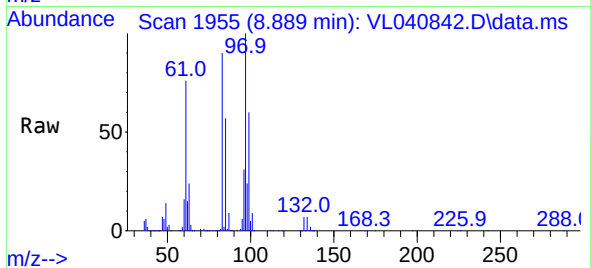
Ion Ratio Lower Upper

97 100

83 89.8 74.8 112.2

85 57.4 47.4 71.0

99 60.2 49.7 74.5



#48

Dibromochloromethane

Concen: 9.923 ppbv

RT: 9.700 min Scan# 2207

Delta R.T. -0.013 min

Lab File: VL040842.D

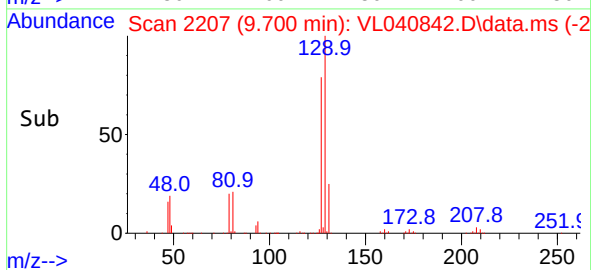
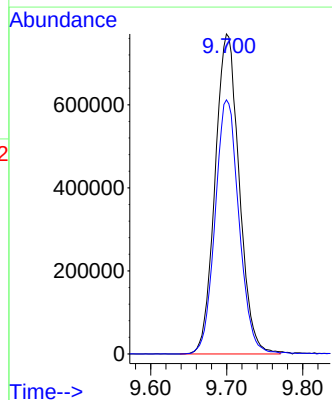
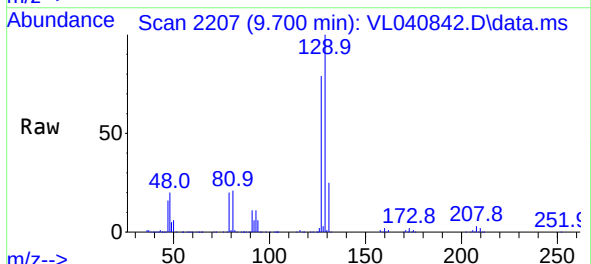
Acq: 13 Nov 2023 16:01

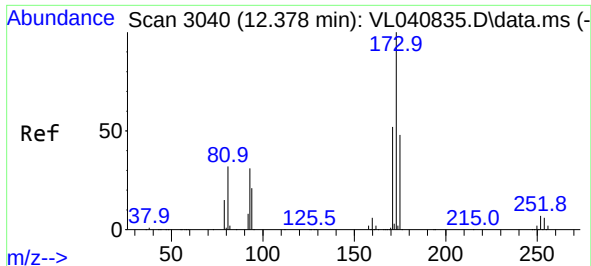
Tgt Ion: 129 Resp: 1699272

Ion Ratio Lower Upper

129 100

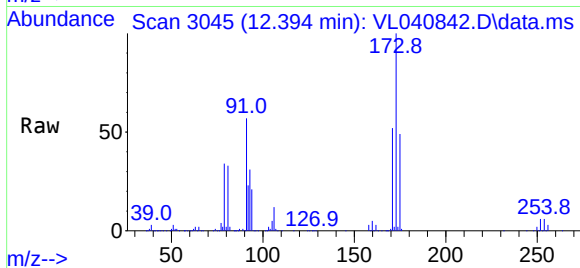
127 78.9 39.3 117.9



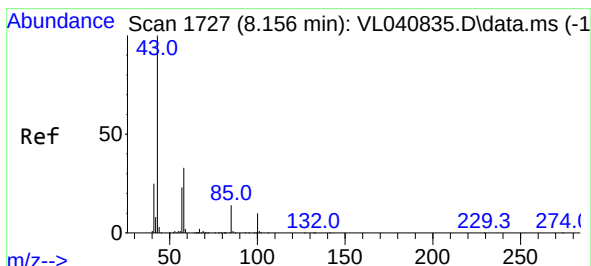
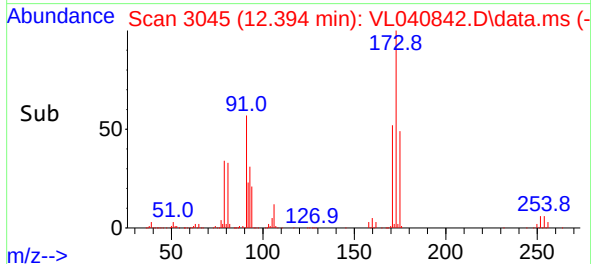
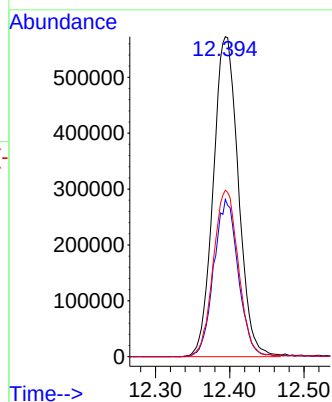


#49  
Bromoform  
Concen: 10.442 ppbv  
RT: 12.394 min Scan# 3045  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

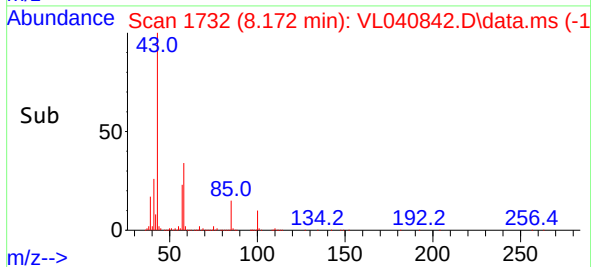
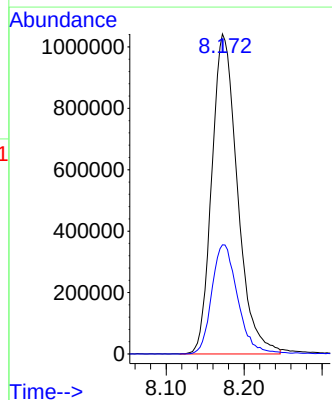
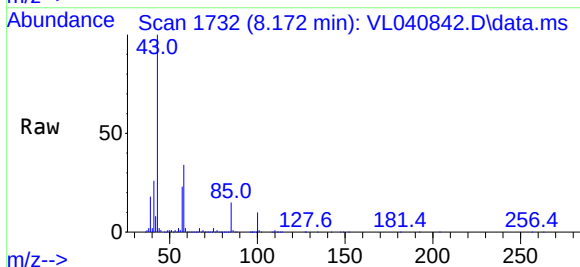


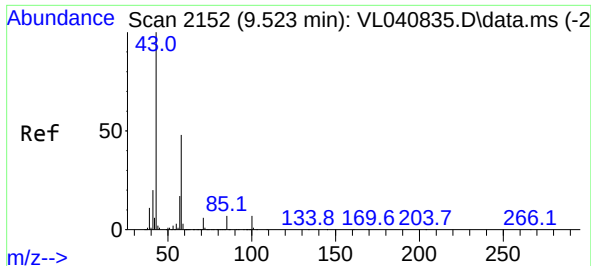
Tgt Ion:173 Resp: 1345003  
Ion Ratio Lower Upper  
173 100  
175 48.3 39.0 58.6  
171 52.5 41.8 62.6



#50  
4-Methyl-2-Pentanone  
Concen: 9.883 ppbv  
RT: 8.172 min Scan# 1732  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 43 Resp: 2384967  
Ion Ratio Lower Upper  
43 100  
58 34.8 27.8 41.6



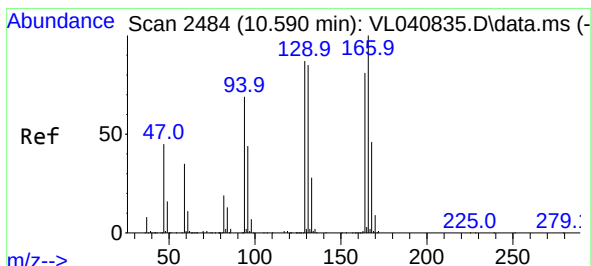
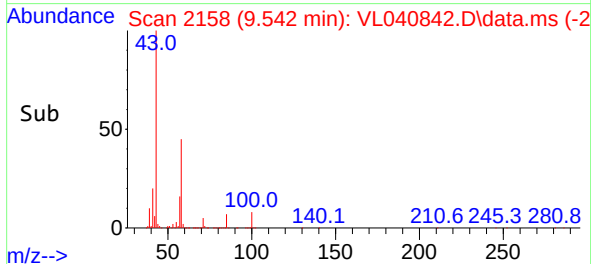
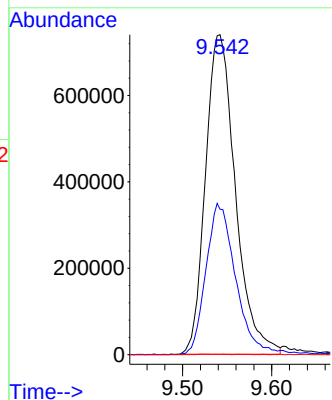
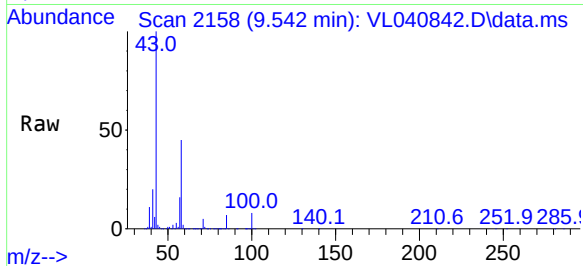


#51  
2-Hexanone  
Concen: 10.158 ppbv  
RT: 9.542 min Scan# 2152  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Instrument : MSVOA\_1  
ClientSampleId : ICVVL111323

Tgt Ion: 43 Resp: 1727898

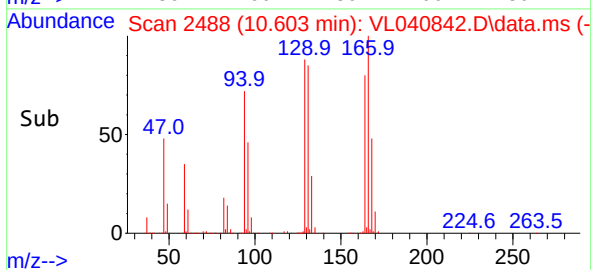
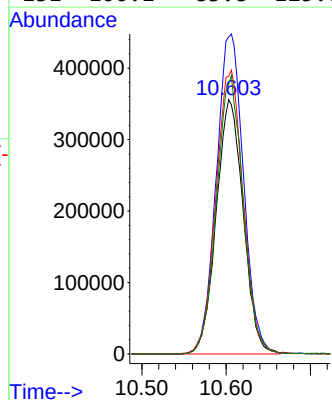
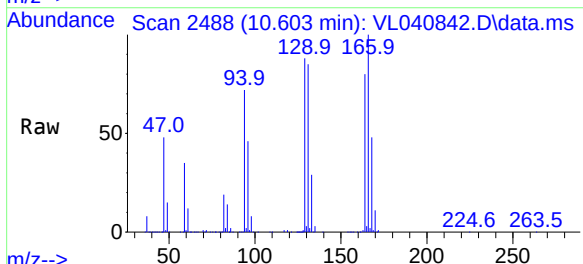
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 47.9  | 37.4  | 56.2  |
| 98  | 0.1   | 0.2   | 0.2   |

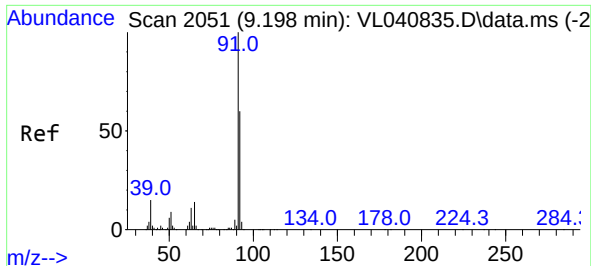


#52  
Tetrachloroethene  
Concen: 9.433 ppbv  
RT: 10.603 min Scan# 2488  
Delta R.T. -0.013 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 164 Resp: 789068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 124.6 | 98.3  | 147.5 |
| 129 | 109.1 | 85.1  | 127.7 |
| 131 | 106.1 | 83.8  | 125.6 |

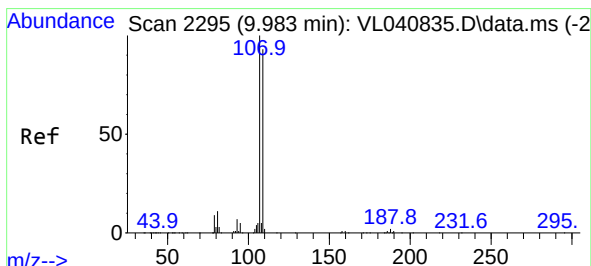
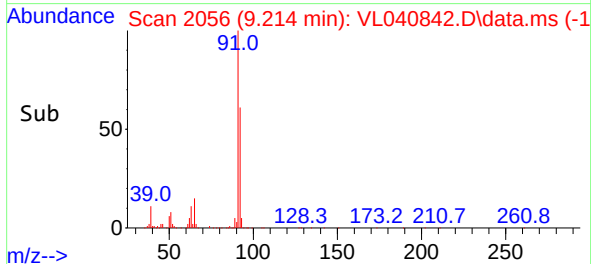
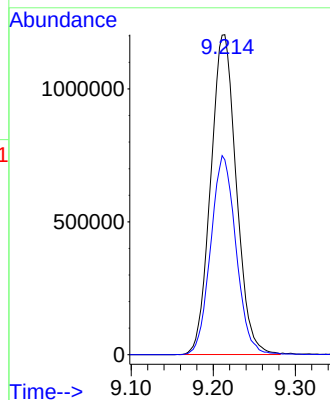
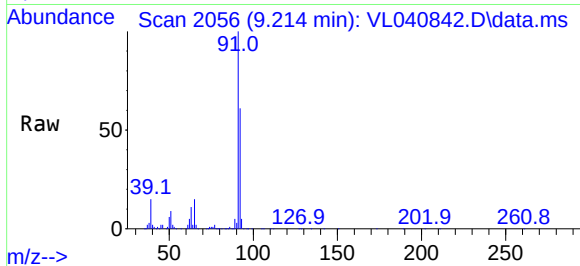




#53  
Toluene  
Concen: 9.534 ppbv  
RT: 9.214 min Scan# 2056  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

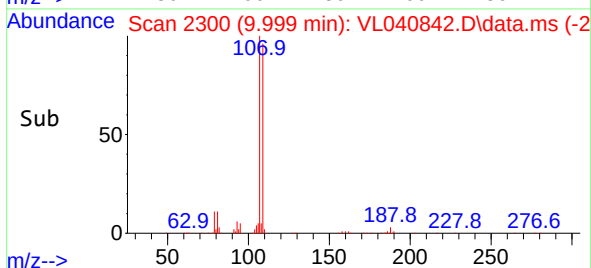
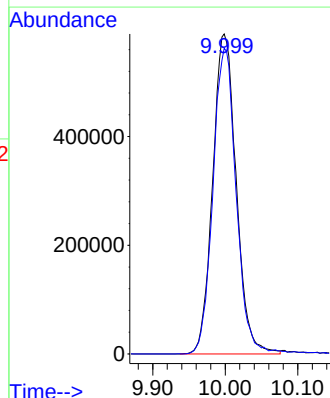
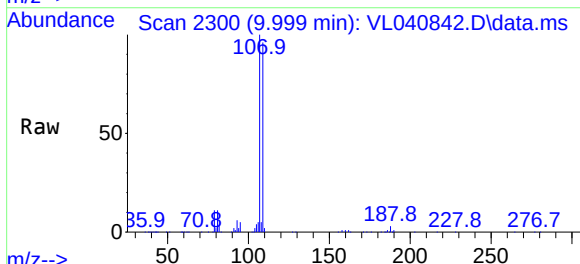
Instrument : MSVOA\_L  
ClientSampleId : ICVVL111323

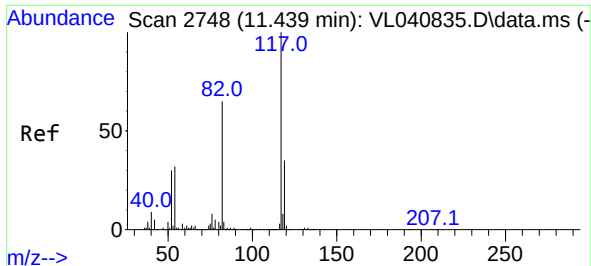
Tgt Ion: 91 Resp: 2606324  
Ion Ratio Lower Upper  
91 100  
92 61.7 49.4 74.2



#54  
1,2-Dibromoethane  
Concen: 9.982 ppbv  
RT: 9.999 min Scan# 2300  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 107 Resp: 1325859  
Ion Ratio Lower Upper  
107 100  
109 95.5 74.5 111.7

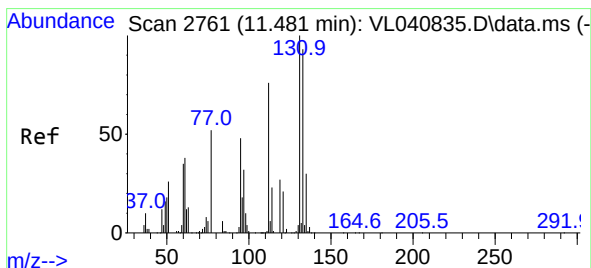
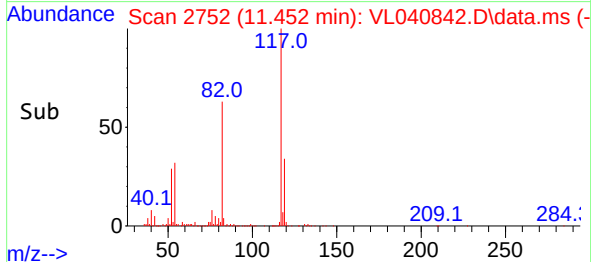
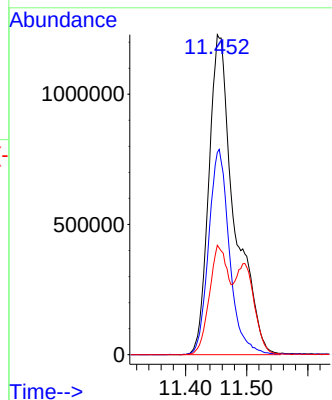
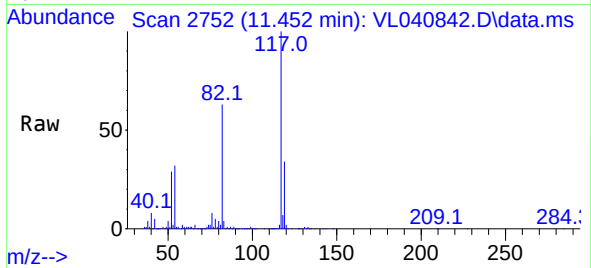




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.452 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

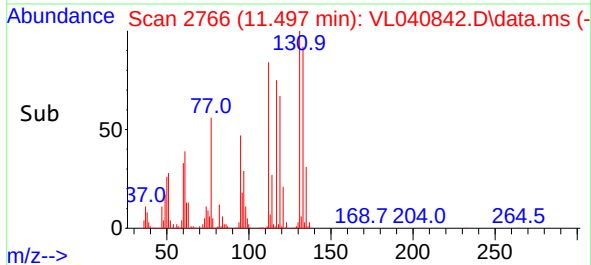
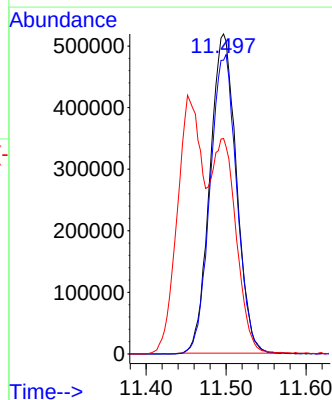
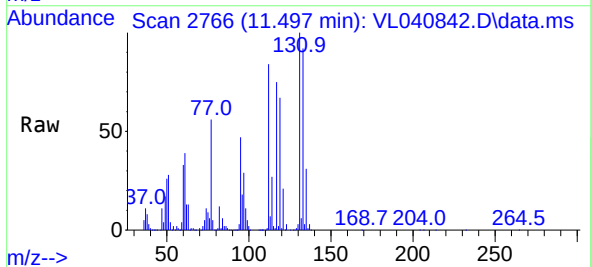
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

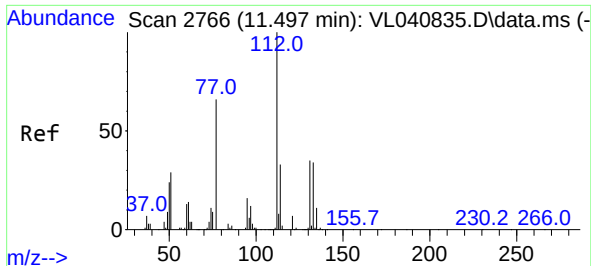
Tgt Ion:117 Resp: 3581775  
Ion Ratio Lower Upper  
117 100  
82 52.4 50.6 75.8  
119 28.0 23.3 34.9



#56  
1,1,1,2-Tetrachloroethane  
Concen: 7.776 ppbv  
RT: 11.497 min Scan# 2766  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:131 Resp: 1191982  
Ion Ratio Lower Upper  
131 100  
133 94.8 76.4 114.6  
119 57.4 51.1 76.7

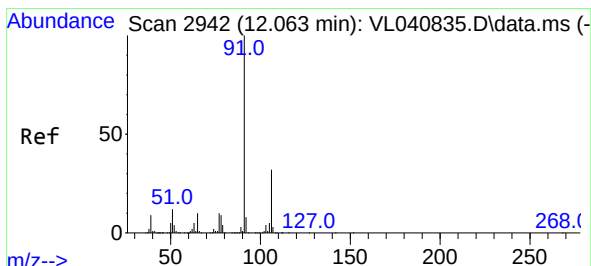
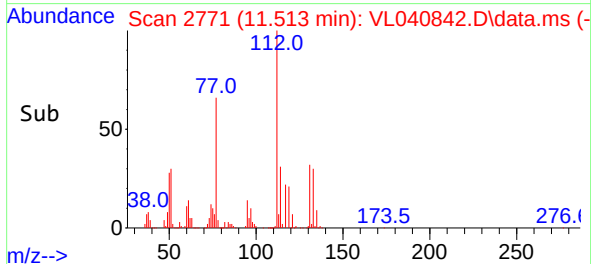
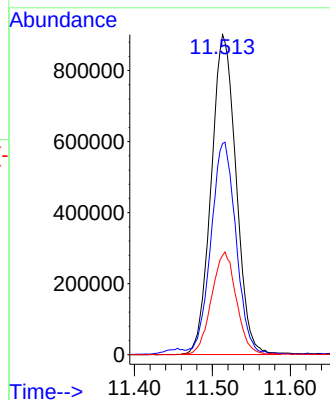
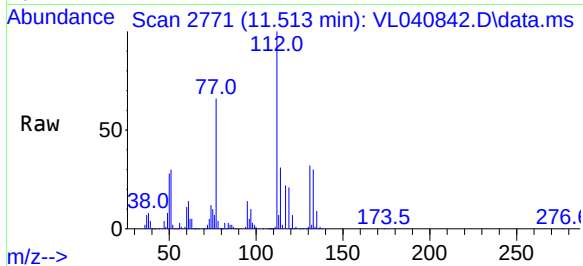




#57  
Chlorobenzene  
Concen: 7.531 ppbv  
RT: 11.513 min Scan# 21  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

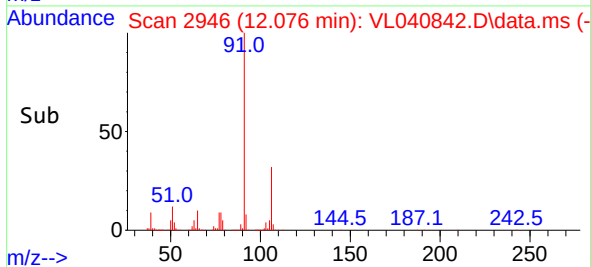
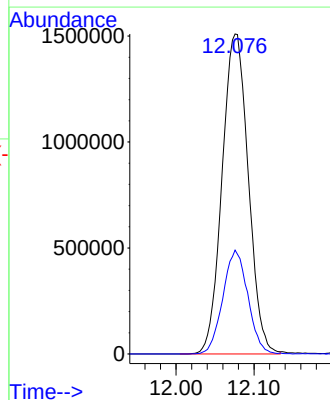
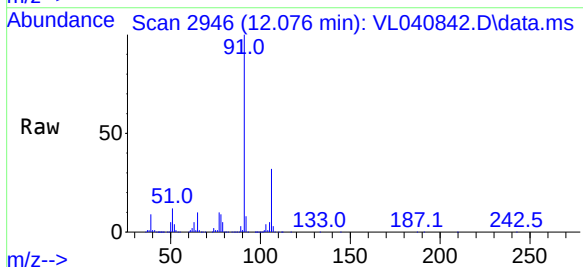
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

Tgt Ion:112 Resp: 1999278  
Ion Ratio Lower Upper  
112 100  
77 65.7 53.3 79.9  
114 31.0 29.3 35.9

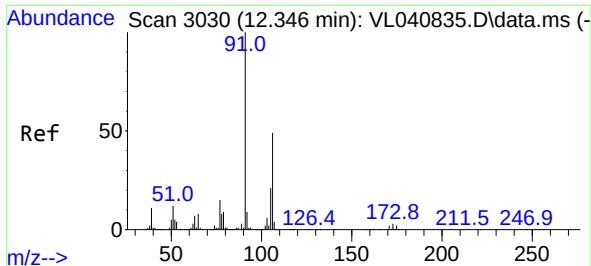


#58  
Ethyl Benzene  
Concen: 7.543 ppbv  
RT: 12.076 min Scan# 2946  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 91 Resp: 3525229  
Ion Ratio Lower Upper  
91 100  
106 32.5 25.2 37.8



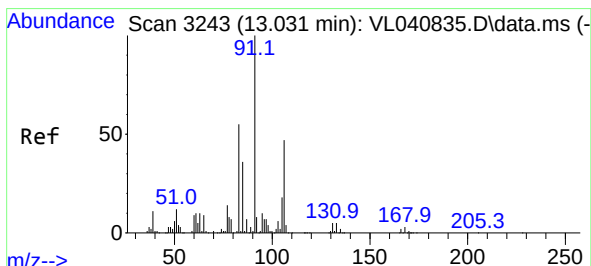
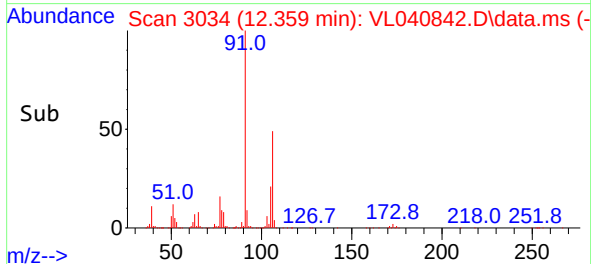
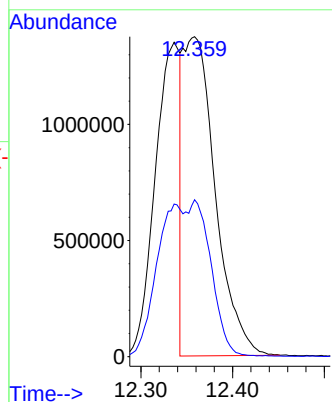
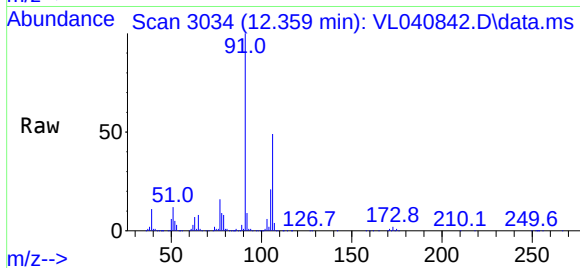




#59  
m/p-Xylene  
Concen: 8.424 ppbv  
RT: 12.359 min Scan# 3034  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

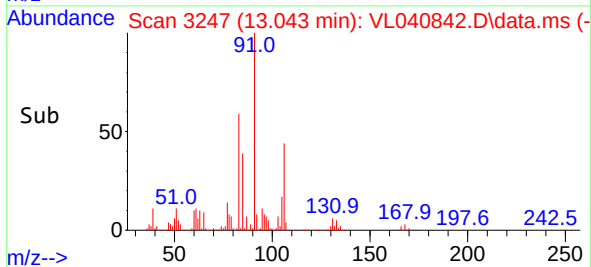
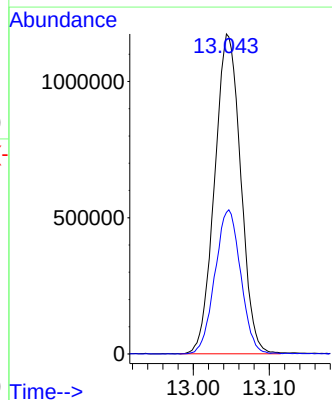
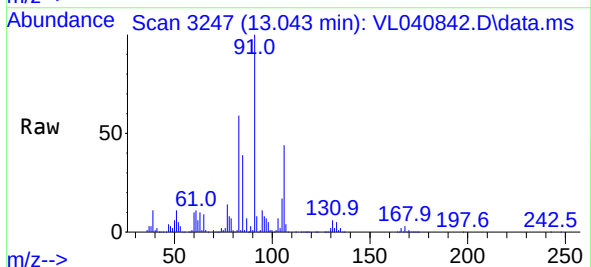
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

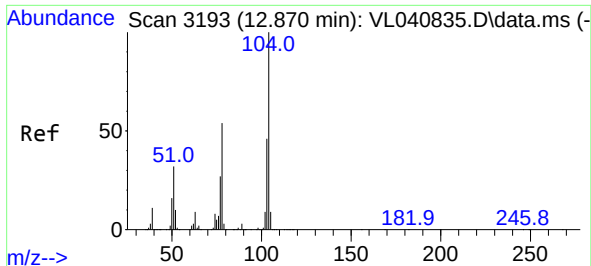
Tgt Ion: 91 Resp: 3352408  
Ion Ratio Lower Upper  
91 100  
106 78.3 35.4 53.0#



#60  
o-Xylene  
Concen: 7.372 ppbv  
RT: 13.043 min Scan# 3247  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 91 Resp: 2792834  
Ion Ratio Lower Upper  
91 100  
106 44.8 22.9 68.5

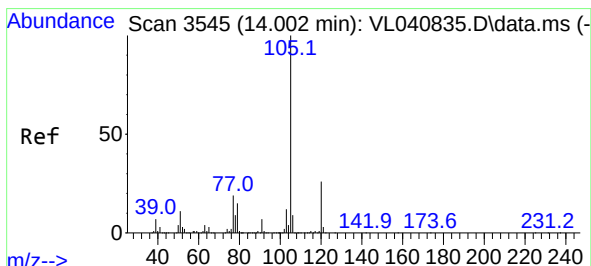
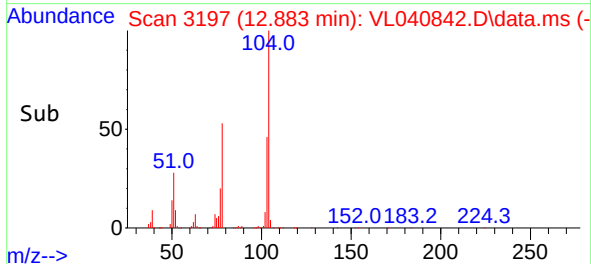
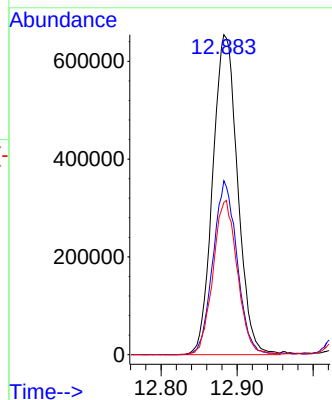
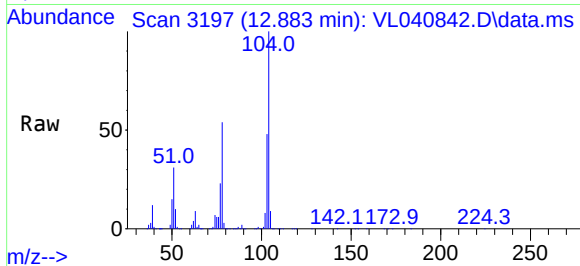




#61  
Styrene  
Concen: 8.149 ppbv  
RT: 12.883 min Scan# 3197  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

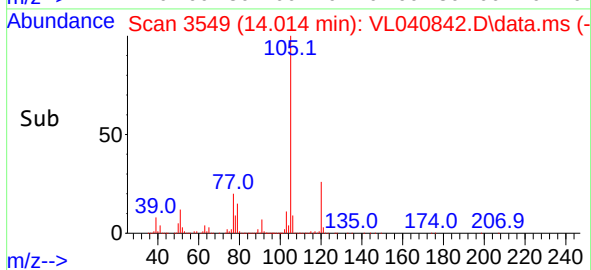
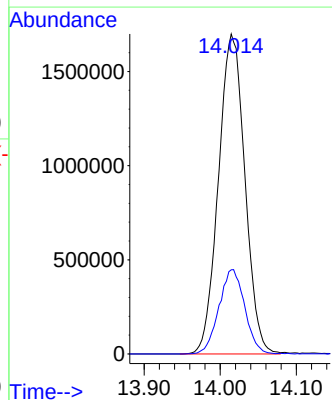
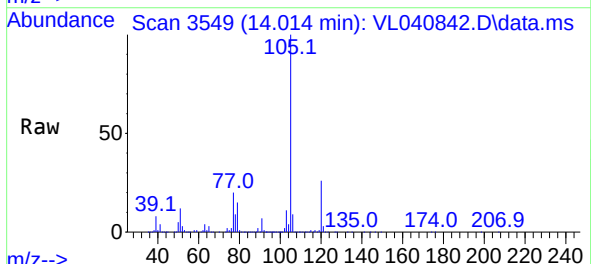
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

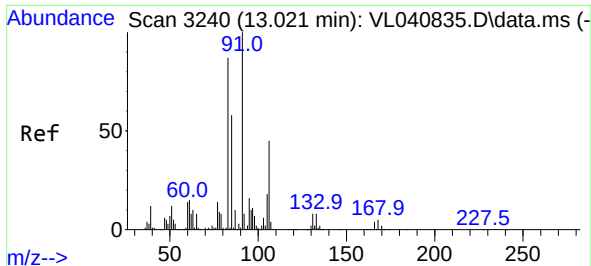
Tgt Ion:104 Resp: 1488888  
Ion Ratio Lower Upper  
104 100  
78 52.9 43.3 64.9  
103 47.2 37.6 56.4



#62  
Isopropylbenzene  
Concen: 7.328 ppbv  
RT: 14.014 min Scan# 3549  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:105 Resp: 4101396  
Ion Ratio Lower Upper  
105 100  
120 25.9 20.7 31.1

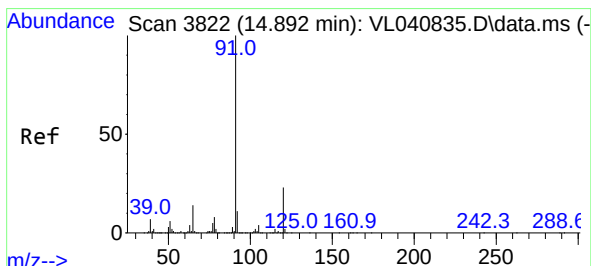
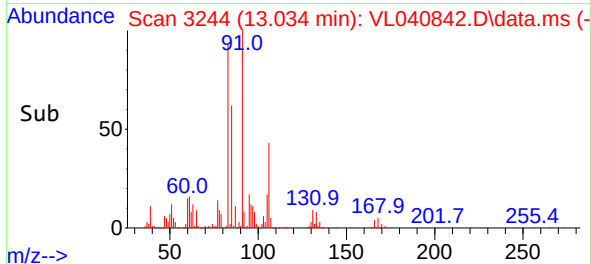
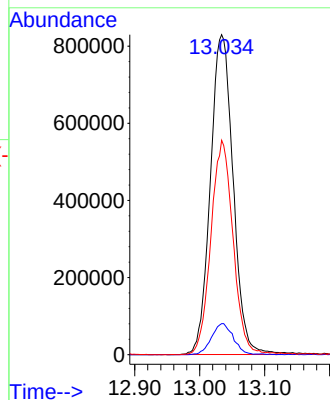
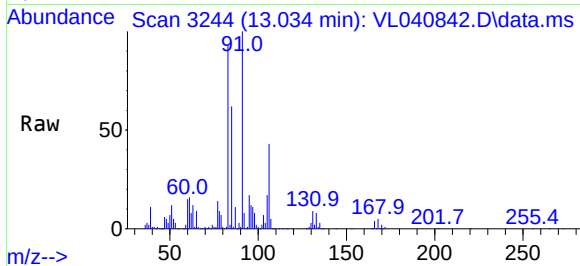




#63  
1,1,2,2-Tetrachloroethane  
Concen: 7.506 ppbv  
RT: 13.034 min Scan# 31  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

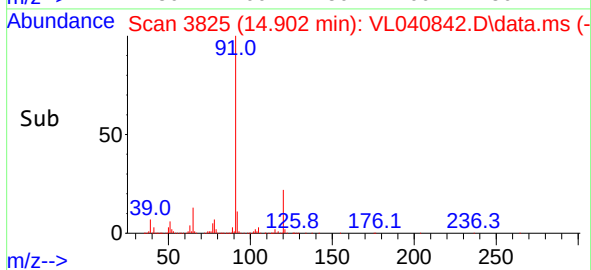
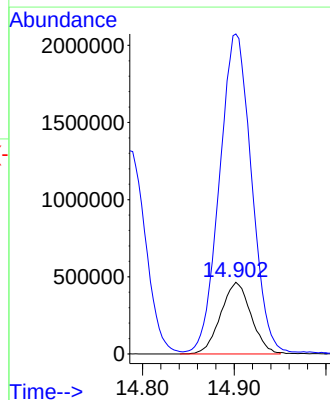
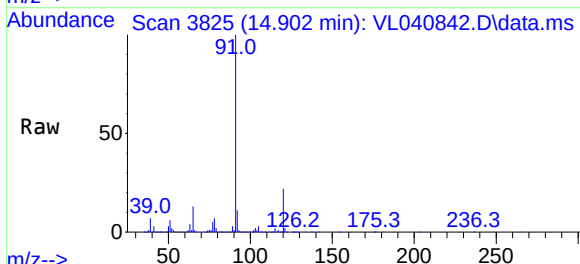
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

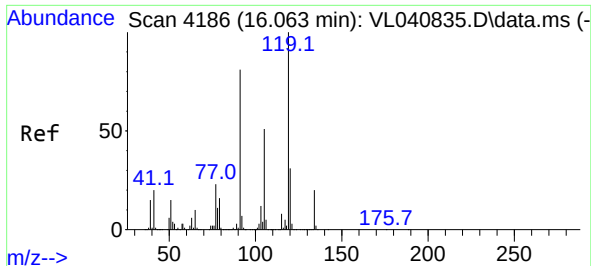
Tgt Ion: 83 Resp: 2015425  
Ion Ratio Lower Upper  
83 100  
131 9.4 4.5 13.7  
85 66.0 32.9 98.7



#64  
n-propylbenzene  
Concen: 7.585 ppbv  
RT: 14.902 min Scan# 3825  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:120 Resp: 1064028  
Ion Ratio Lower Upper  
120 100  
91 476.1 381.1 571.7

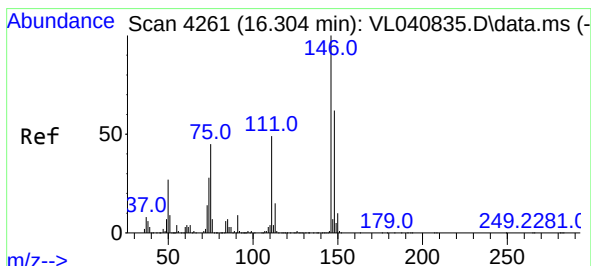
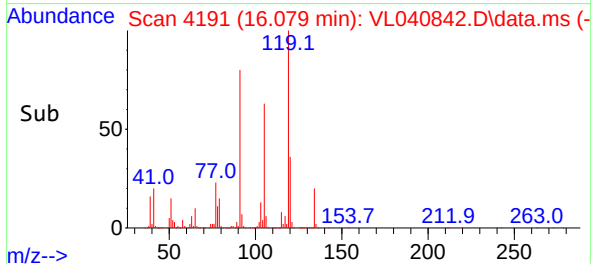
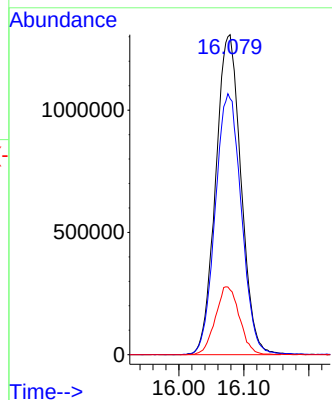
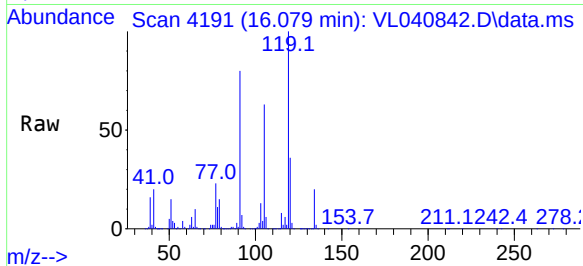




#65  
tert-Butylbenzene  
Concen: 7.505 ppbv  
RT: 16.079 min Scan# 4186  
Delta R.T. -0.003 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

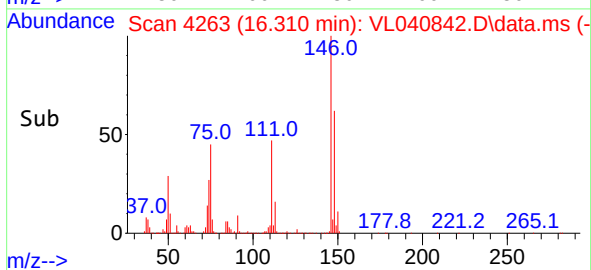
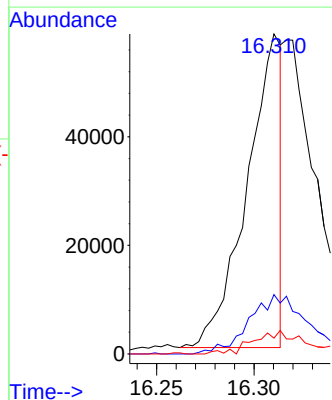
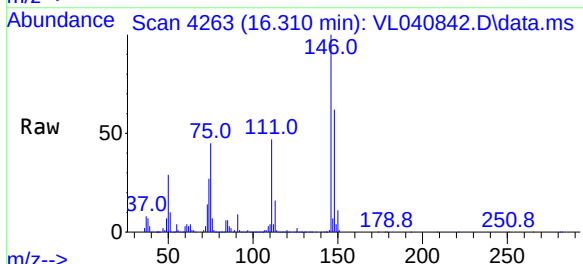
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

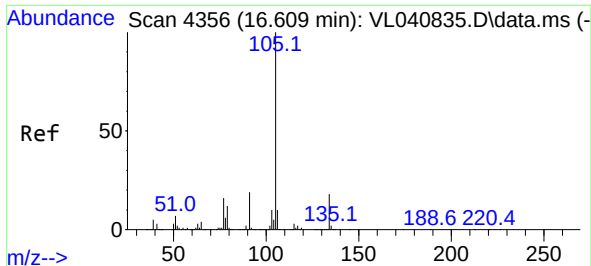
Tgt Ion:119 Resp: 3541850  
Ion Ratio Lower Upper  
119 100  
91 84.3 67.5 101.3  
134 20.2 15.9 23.9



#66  
Benzyl Chloride  
Concen: 4.073 ppbv  
RT: 16.310 min Scan# 4263  
Delta R.T. -0.016 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 91 Resp: 70827  
Ion Ratio Lower Upper  
91 100  
126 34.2 12.8 19.2#  
128 0.0 0.0 0.0

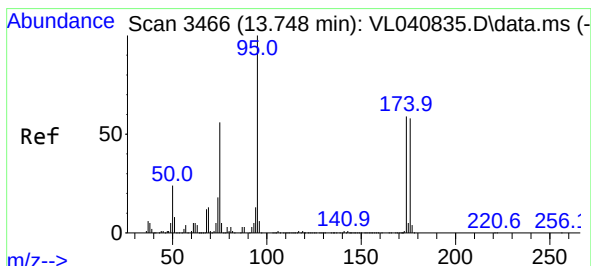
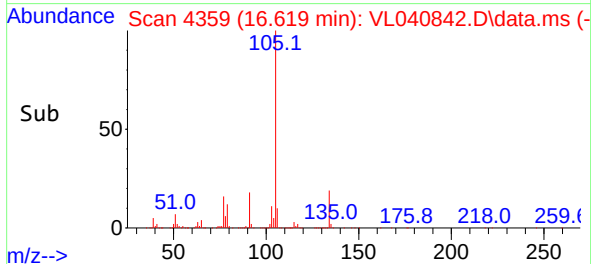
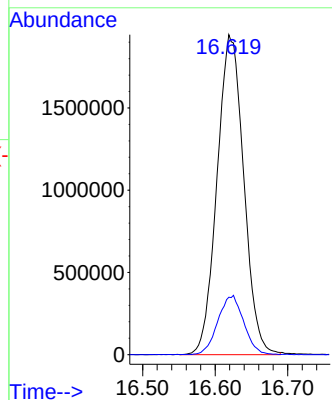
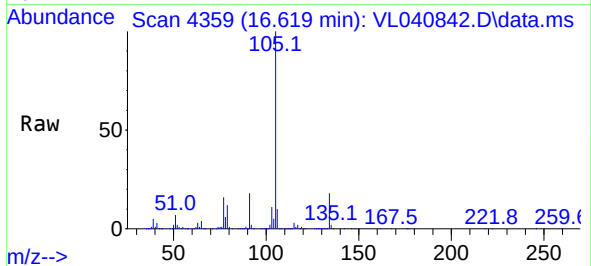




#67  
 sec-Butylbenzene  
 Concen: 7.381 ppbv  
 RT: 16.619 min Scan# 41  
 Delta R.T. -0.010 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

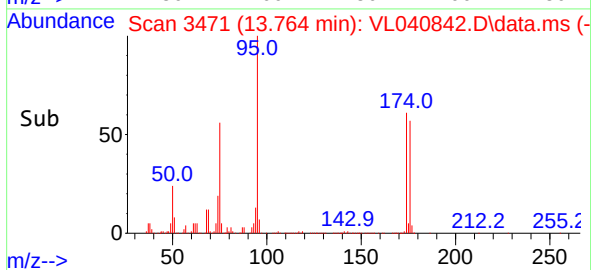
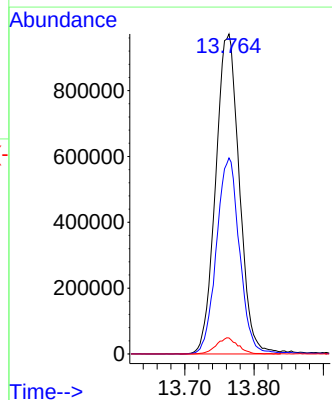
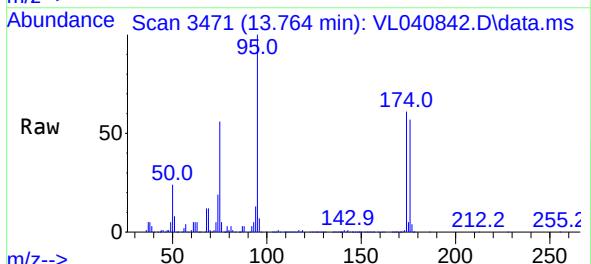
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323

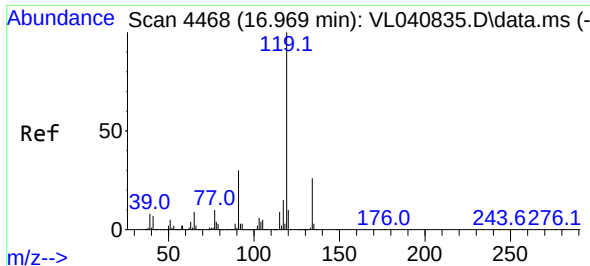
Tgt Ion:105 Resp: 4976252  
 Ion Ratio Lower Upper  
 105 100  
 134 17.9 14.3 21.5



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 8.217 ppbv  
 RT: 13.764 min Scan# 3471  
 Delta R.T. -0.007 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

Tgt Ion: 95 Resp: 2304142  
 Ion Ratio Lower Upper  
 95 100  
 174 60.3 47.5 71.3  
 175 4.7 3.6 5.4

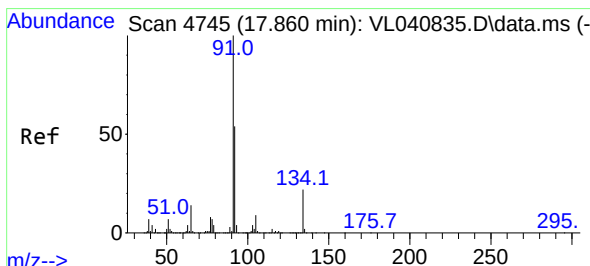
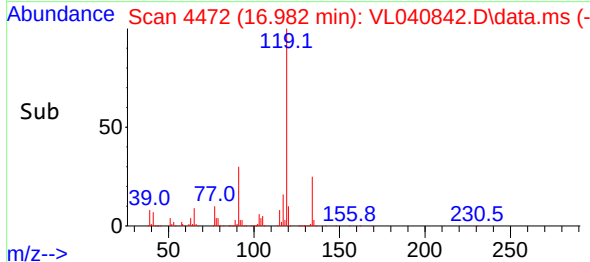
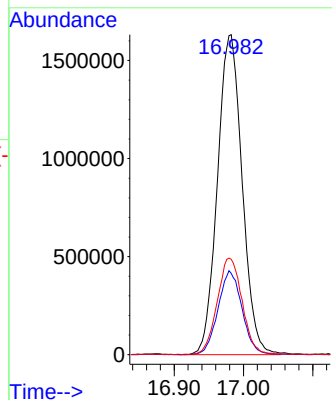
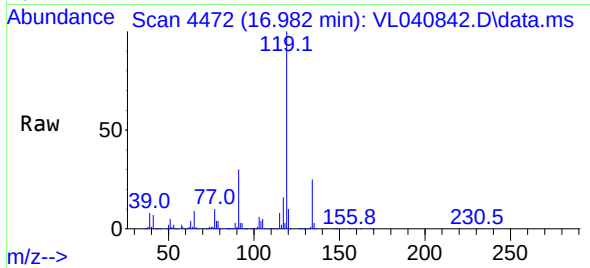




#69  
p-Isopropyltoluene  
Concen: 7.520 ppbv  
RT: 16.982 min Scan# 4468  
Delta R.T. -0.003 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

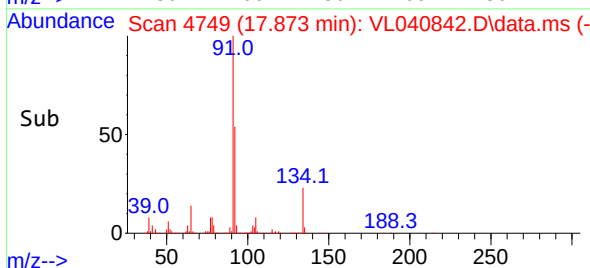
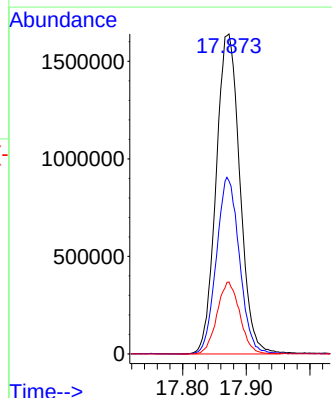
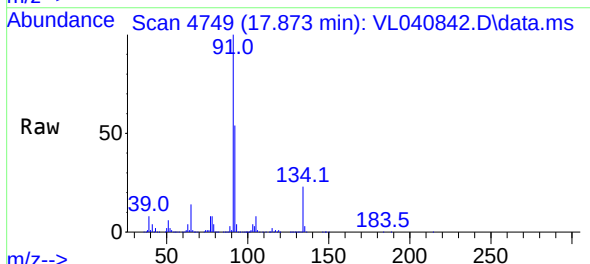
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

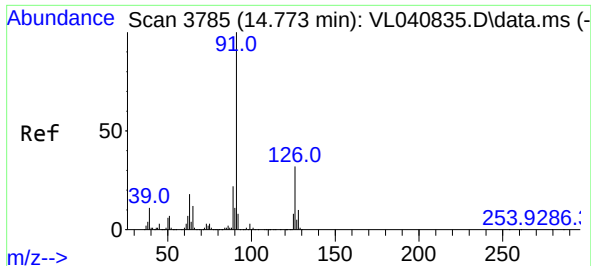
Tgt Ion:119 Resp: 4042810  
Ion Ratio Lower Upper  
119 100  
134 25.6 20.5 30.7  
91 30.4 24.7 37.1



#70  
n-Butylbenzene  
Concen: 7.496 ppbv  
RT: 17.873 min Scan# 4749  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion: 91 Resp: 4255355  
Ion Ratio Lower Upper  
91 100  
92 53.7 43.4 65.2  
134 21.7 17.4 26.0

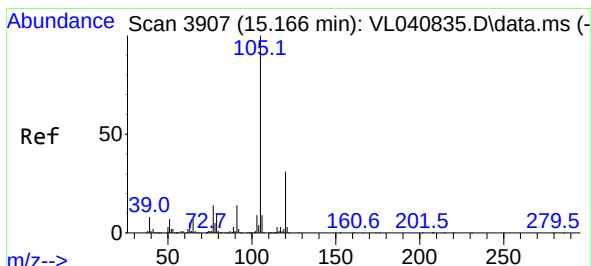
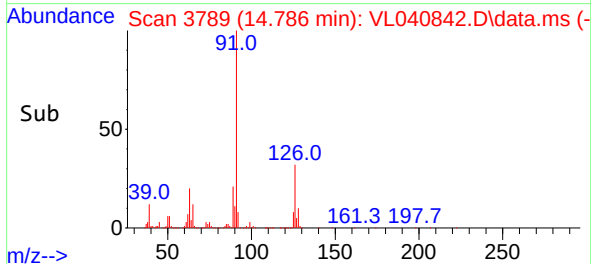
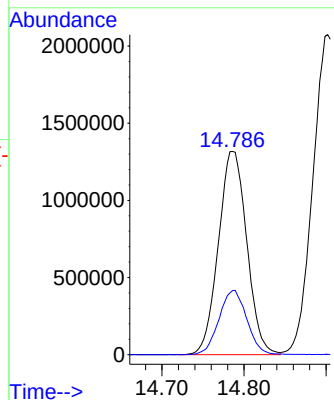
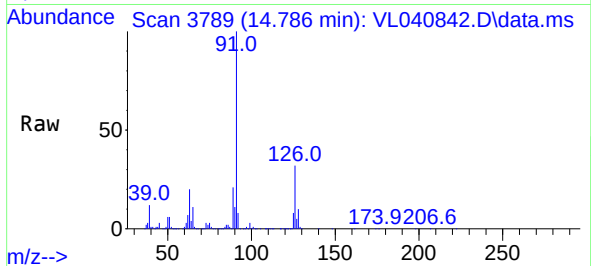




#71  
2-Chlorotoluene  
Concen: 7.438 ppbv  
RT: 14.786 min Scan# 3111  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

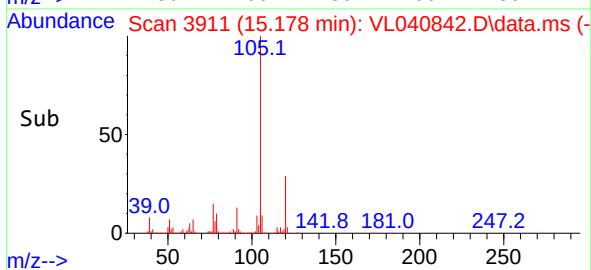
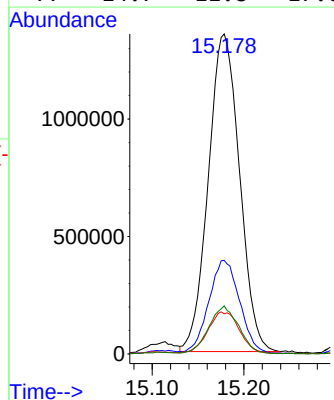
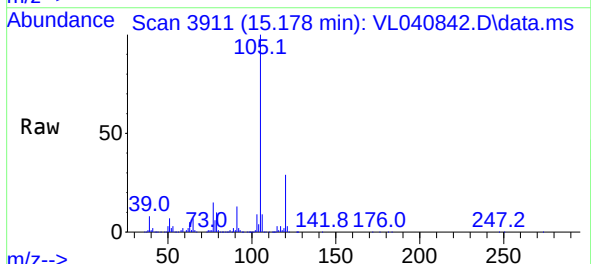
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

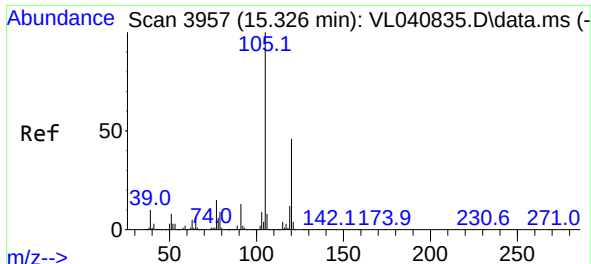
Tgt Ion: 91 Resp: 3173568  
Ion Ratio Lower Upper  
91 100  
126 31.1 12.1 48.5



#72  
4-Ethyltoluene  
Concen: 7.690 ppbv  
RT: 15.178 min Scan# 3911  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:105 Resp: 3202689  
Ion Ratio Lower Upper  
105 100  
120 30.7 24.5 36.7  
91 13.4 10.6 16.0  
77 14.7 11.8 17.6

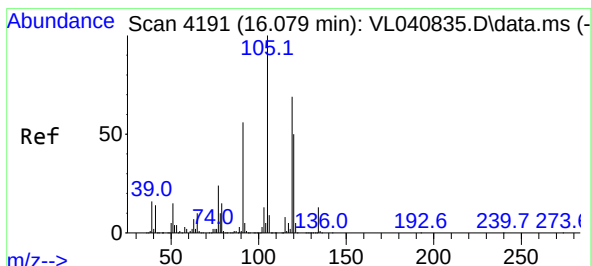
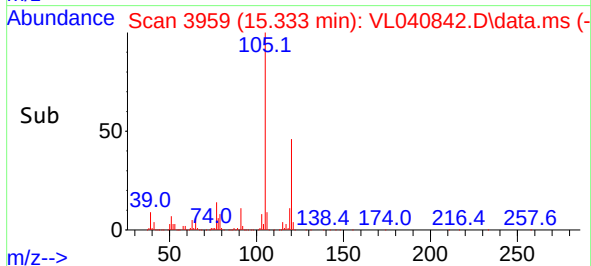
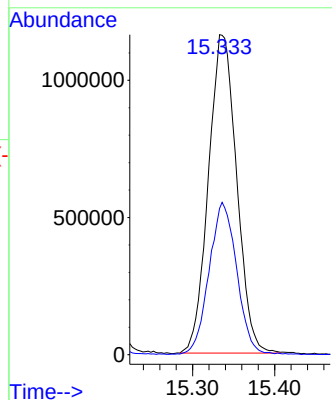
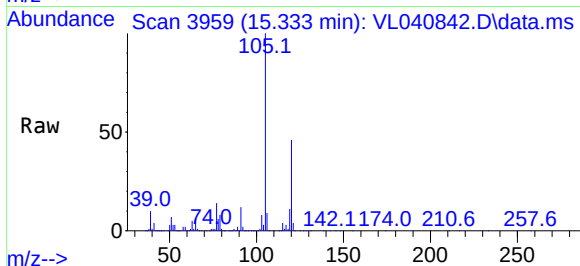




#73  
1,3,5-Trimethylbenzene  
Concen: 7.543 ppbv  
RT: 15.333 min Scan# 3957  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

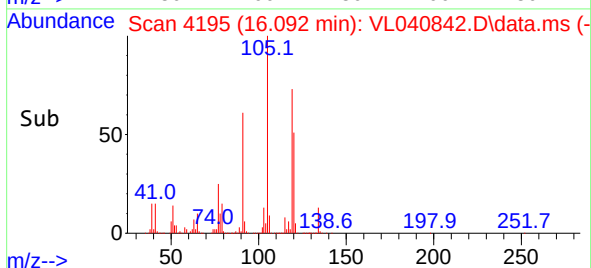
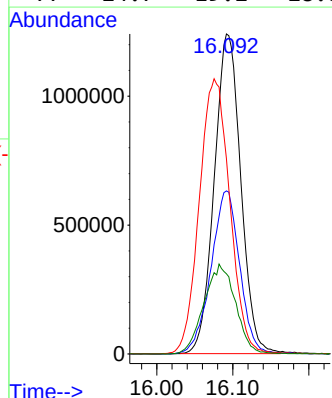
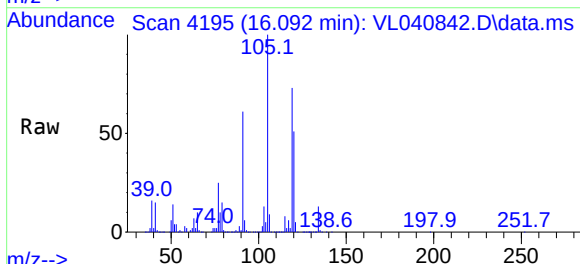
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

Tgt Ion:105 Resp: 2778206  
Ion Ratio Lower Upper  
105 100  
120 45.7 36.8 55.2

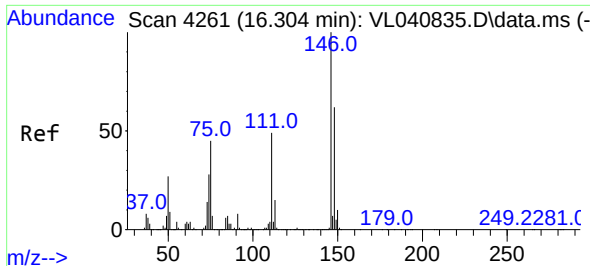


#74  
1,2,4-Trimethylbenzene  
Concen: 7.318 ppbv  
RT: 16.092 min Scan# 4195  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:105 Resp: 3007923  
Ion Ratio Lower Upper  
105 100  
120 50.8 40.2 60.2  
91 60.7 45.7 68.5  
77 24.7 19.2 28.8



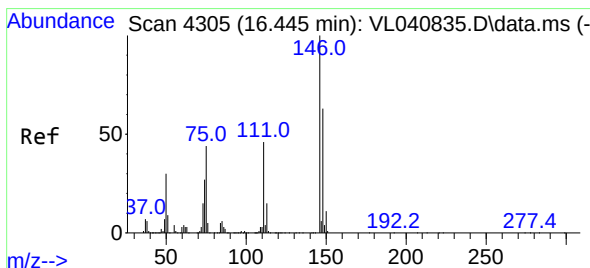
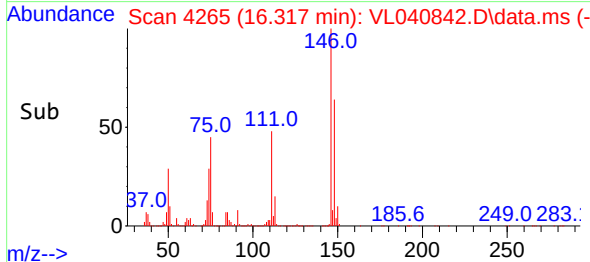
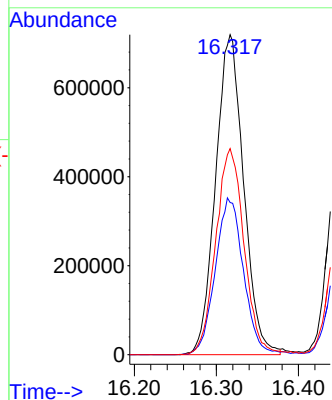
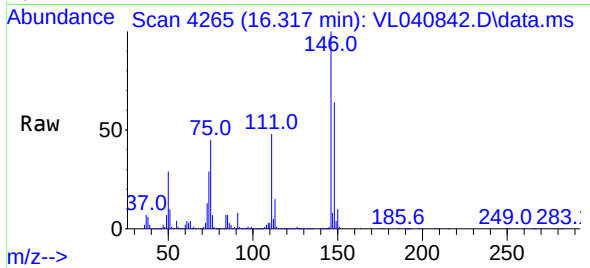




#75  
1,3-Dichlorobenzene  
Concen: 7.531 ppbv  
RT: 16.317 min Scan# 41  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

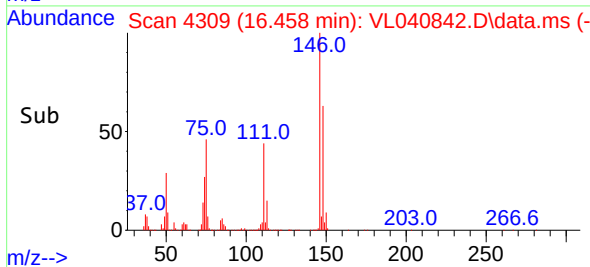
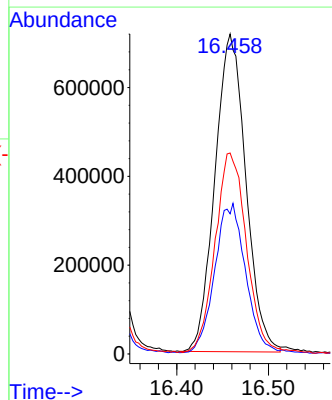
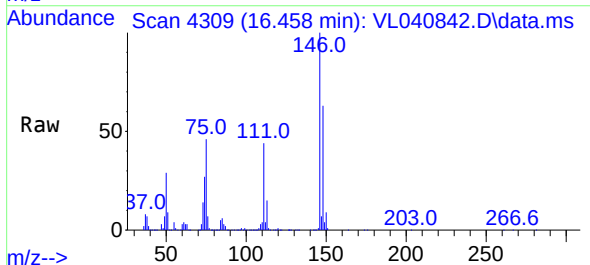
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MSVOA\_L  
ClientSampleId :  
ICVVL111323

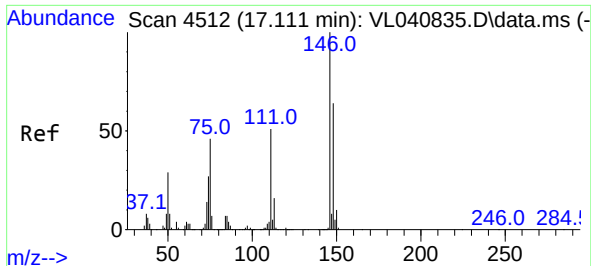
Tgt Ion:146 Resp: 1709242  
Ion Ratio Lower Upper  
146 100  
111 49.7 24.9 74.8  
148 65.1 32.1 96.5



#76  
1,4-Dichlorobenzene  
Concen: 7.704 ppbv  
RT: 16.458 min Scan# 4309  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:146 Resp: 1673996  
Ion Ratio Lower Upper  
146 100  
111 48.3 24.1 72.4  
148 65.8 32.3 96.9

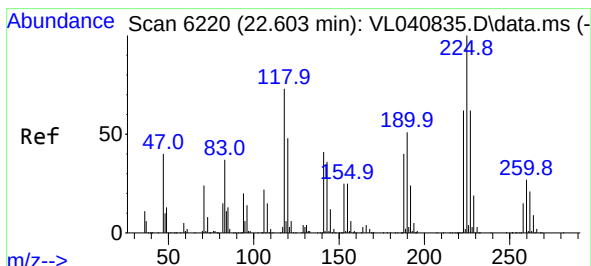
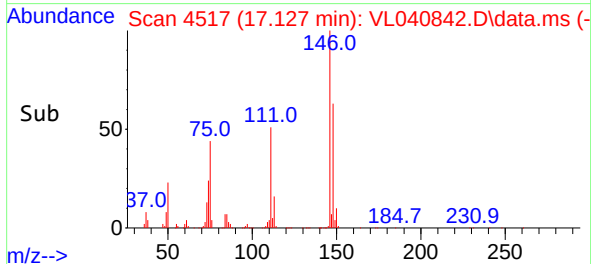
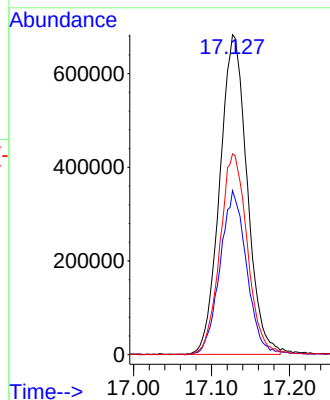
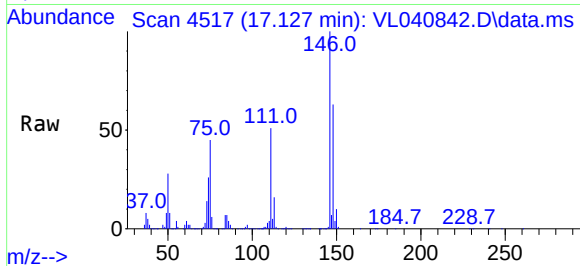




#77  
1,2-Dichlorobenzene  
Concen: 7.524 ppbv  
RT: 17.127 min Scan# 4517  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

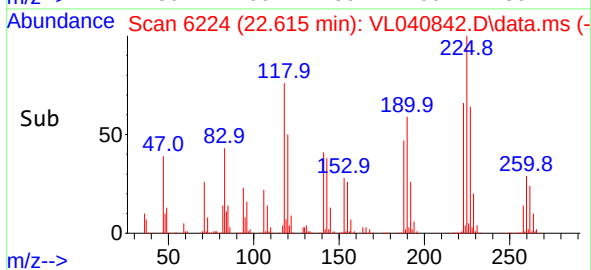
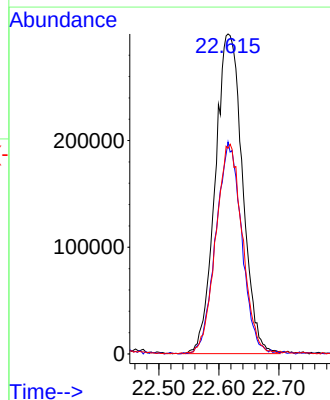
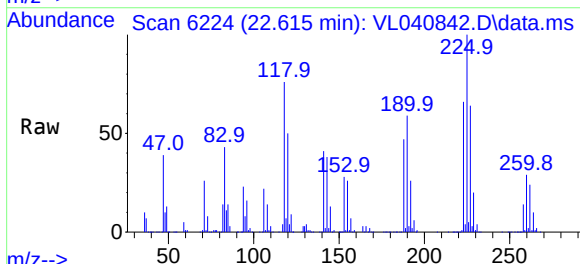
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MSVOA\_L  
ClientSampleId :  
ICVVL111323

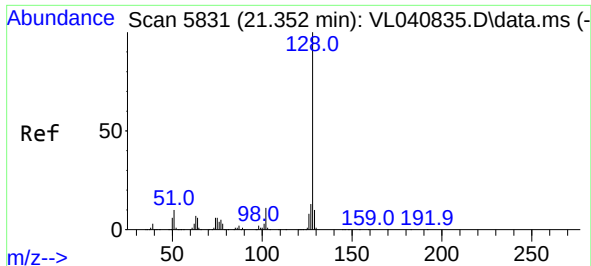
Tgt Ion:146 Resp: 1660372  
Ion Ratio Lower Upper  
146 100  
111 50.6 25.7 77.1  
148 63.5 32.3 96.9



#78  
Hexachloro-1,3-Butadiene  
Concen: 6.846 ppbv  
RT: 22.615 min Scan# 6224  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

Tgt Ion:225 Resp: 945952  
Ion Ratio Lower Upper  
225 100  
223 62.7 51.1 76.7  
227 64.0 50.8 76.2

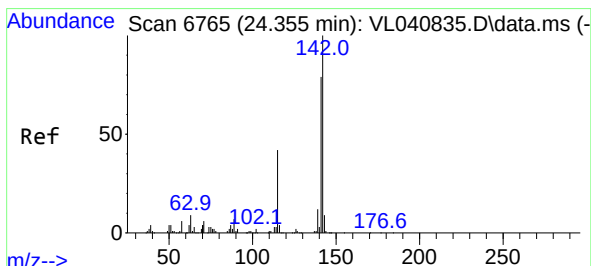
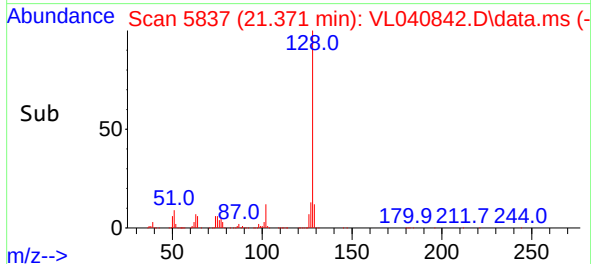
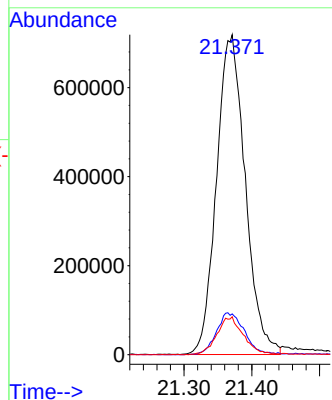
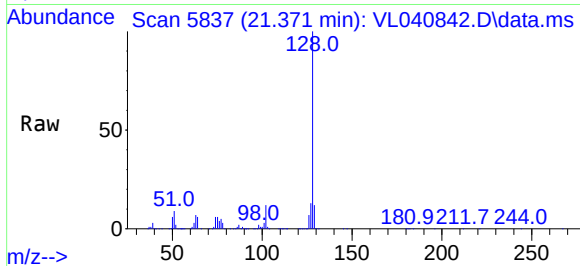




#79  
Naphthalene  
Concen: 10.017 ppbv  
RT: 21.371 min Scan# 5837  
Delta R.T. -0.007 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

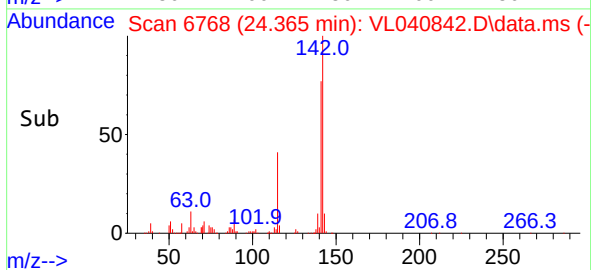
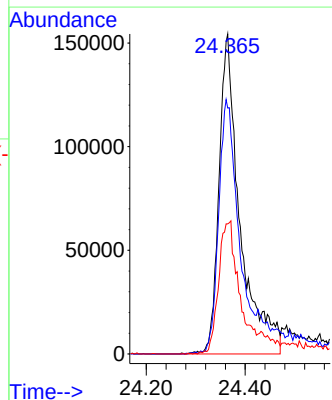
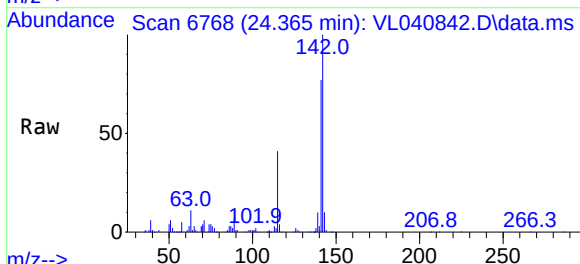
Instrument :  
MSVOA\_L  
ClientSampleId :  
ICVVL111323

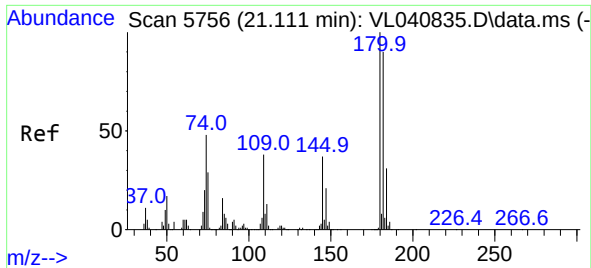
Tgt Ion:128 Resp: 2116125  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.0 15.0  
129 11.9 8.3 12.5



#80  
Naphthalene,2-methyl-  
Concen: 12.247 ppbv  
RT: 24.365 min Scan# 6768  
Delta R.T. -0.010 min  
Lab File: VL040842.D  
Acq: 13 Nov 2023 16:01

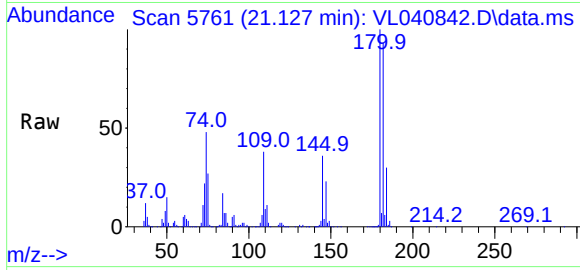
Tgt Ion:142 Resp: 456712  
Ion Ratio Lower Upper  
142 100  
141 84.8 65.8 98.8  
115 45.1 35.6 53.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 8.398 ppbv  
 RT: 21.127 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VL040842.D  
 Acq: 13 Nov 2023 16:01

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL111323



Tgt Ion:180 Resp: 1078580  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 97.4  | 77.6  | 116.4 |
| 184 | 30.1  | 24.2  | 36.2  |

