

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL012324\  
 Data File : VL040996.D  
 Acq On : 23 Jan 2024 13:34  
 Operator : SY/MD  
 Sample : VSTDICC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC015

Quant Time: Jan 24 00:59:19 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Jan 24 00:50:15 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.160  | 49   | 1089393  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.623  | 114  | 2703189  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.430 | 117  | 2522973  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 13.738 | 95    | 2007428  | 10.534   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 105.300% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.700 | 85  | 3091715 | 12.849 | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 2.645 | 51  | 2375394 | 12.964 | ppbv   | 99     |
| 4) Chloromethane              | 2.784 | 50  | 888824  | 12.942 | ppbv   | 99     |
| 5) Vinyl Chloride             | 2.890 | 62  | 933786  | 13.868 | ppbv   | 100    |
| 6) Bromomethane               | 3.089 | 94  | 406869  | 13.878 | ppbv   | 95     |
| 7) Chloroethane               | 3.166 | 64  | 334506  | 13.796 | ppbv   | 94     |
| 8) Dichlorotetrafluoroethane  | 2.825 | 85  | 2305829 | 12.828 | ppbv   | 99     |
| 9) Propene                    | 2.665 | 41  | 804762  | 13.390 | ppbv   | 96     |
| 10) Heptane                   | 7.545 | 43  | 2047426 | 13.842 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 3.530 | 101 | 2546309 | 13.133 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 4.034 | 101 | 1824677 | 12.986 | ppbv   | 98     |
| 13) Ethanol                   | 3.208 | 45  | 174531  | 12.185 | ppbv   | 98     |
| 14) Bromoethene               | 3.333 | 108 | 733408  | 13.594 | ppbv   | 97     |
| 15) Acetone                   | 3.433 | 43  | 1741259 | 12.499 | ppbv   | 97     |
| 16) 1,3-Butadiene             | 2.954 | 39  | 906228  | 13.598 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 3.848 | 59  | 1512989 | 13.241 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.848 | 96  | 815705  | 13.559 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.546 | 45  | 1096410 | 13.596 | ppbv   | 98     |
| 20) Methylene Chloride        | 3.899 | 84  | 646851  | 12.067 | ppbv   | 98     |
| 21) Allyl Chloride            | 3.964 | 41  | 1175558 | 13.888 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 4.414 | 96  | 842618  | 13.603 | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.594 | 43  | 2092899 | 14.574 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 4.530 | 63  | 1715166 | 13.464 | ppbv   | 100    |
| 25) Ethyl Acetate             | 5.169 | 43  | 3444963 | 13.638 | ppbv   | 100    |
| 26) Hexane                    | 5.179 | 57  | 1480576 | 13.751 | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.092 | 76  | 2072856 | 14.794 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 4.549 | 73  | 1204561 | 13.479 | ppbv   | 99     |
| 29) Chloroform                | 5.240 | 83  | 2545659 | 13.330 | ppbv   | 99     |
| 30) Cyclohexane               | 6.565 | 84  | 1260757 | 13.975 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 5.044 | 61  | 1480193 | 14.647 | ppbv   | 95     |
| 32) 1,1,1-Trichloroethane     | 5.970 | 97  | 2567928 | 14.069 | ppbv   | 99     |
| 34) 2-Butanone                | 4.751 | 43  | 1896944 | 14.730 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 6.459 | 117 | 2735485 | 15.175 | ppbv   | 98     |
| 36) Benzene                   | 6.337 | 78  | 3190232 | 14.290 | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 5.774 | 62  | 1946723 | 14.289 | ppbv   | 100    |
| 38) Trichloroethene           | 7.259 | 130 | 1284865 | 14.356 | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.041 | 63  | 1273740 | 14.483 | ppbv   | 98     |
| 40) 1,4-Dioxane               | 7.250 | 88  | 523126  | 14.321 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.523 | 42  | 1320626 | 15.103 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.214 | 83  | 2897651 | 14.865 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 7.439 | 69  | 1355345 | 15.733 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 7.291 | 57  | 5247145 | 13.968 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 8.674 | 75  | 1052574 | 17.882 | ppbv   | 96     |

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 Data File : VL040996.D  
 Acq On : 23 Jan 2024 13:34  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

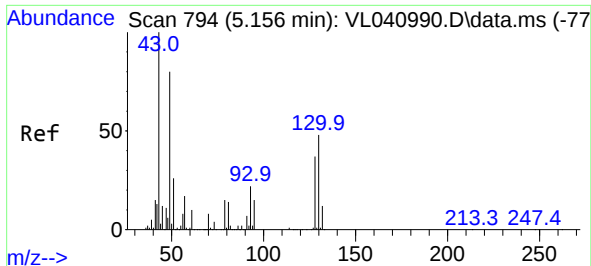
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Jan 24 00:50:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.105  | 75   | 1214116  | 16.539 | ppbv   | 96       |
| 47) 1,1,2-Trichloroethane     | 8.864  | 97   | 1383510  | 14.595 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.674  | 129  | 2501695  | 15.609 | ppbv   | 99       |
| 49) Bromoform                 | 12.372 | 173  | 2060306  | 16.389 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.144  | 43   | 3440480  | 15.170 | ppbv   | 100      |
| 51) 2-Hexanone                | 9.513  | 43   | 2590613  | 15.847 | ppbv   | 99       |
| 52) Tetrachloroethene         | 10.581 | 164  | 1134081  | 15.297 | ppbv   | 97       |
| 53) Toluene                   | 9.185  | 91   | 3684326  | 15.065 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 9.973  | 107  | 2023638  | 15.763 | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.471 | 131  | 1784019  | 14.738 | ppbv # | 75       |
| 57) Chlorobenzene             | 11.487 | 112  | 2918322  | 14.380 | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.050 | 91   | 5083267  | 15.004 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.333 | 91   | 4450588  | 15.067 | ppbv # | 33       |
| 60) o-Xylene                  | 13.024 | 91   | 4152856  | 14.653 | ppbv   | 100      |
| 61) Styrene                   | 12.860 | 104  | 2194225  | 16.861 | ppbv   | 99       |
| 62) Isopropylbenzene          | 13.992 | 105  | 6022856  | 14.370 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.011 | 83   | 3093041  | 14.043 | ppbv   | 100      |
| 64) n-propylbenzene           | 14.880 | 120  | 1604443  | 15.152 | ppbv   | 91       |
| 65) tert-Butylbenzene         | 16.053 | 119  | 5353237  | 14.618 | ppbv   | 99       |
| 66) Benzyl Chloride           | 16.291 | 91   | 435979   | 18.168 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.597 | 105  | 7441656  | 13.956 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.957 | 119  | 6071083  | 14.699 | ppbv   | 99       |
| 70) n-Butylbenzene            | 17.851 | 91   | 6470351  | 14.497 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.764 | 91   | 4732244  | 14.633 | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 15.156 | 105  | 4798358  | 15.159 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.314 | 105  | 4120108  | 14.667 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.072 | 105  | 4562526  | 14.327 | ppbv   | 93       |
| 75) 1,3-Dichlorobenzene       | 16.294 | 146  | 2650072  | 14.622 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.433 | 146  | 2599656  | 14.537 | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.105 | 146  | 2560891  | 14.216 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 22.590 | 225  | 1488542  | 12.814 | ppbv   | 100      |
| 79) Naphthalene               | 21.342 | 128  | 3442251  | 18.948 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 24.342 | 142  | 792929   | 24.852 | ppbv   | 94       |
| 81) 1,2,4-Trichlorobenzene    | 21.101 | 180  | 1673904  | 15.793 | ppbv   | 98       |

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

Quant Time: Jan 24 00:59:19 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL012324AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Wed Jan 24 00:50:15 2024  
Response via : Initial Calibration

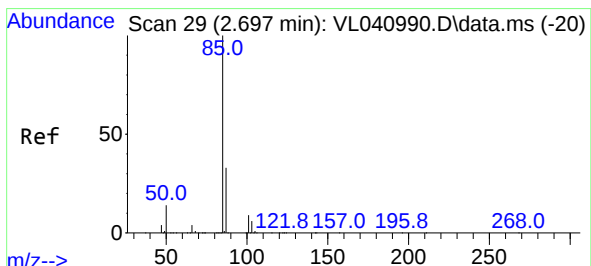
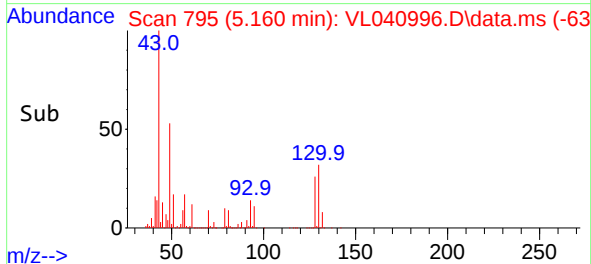
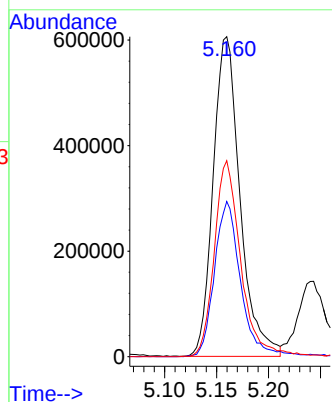
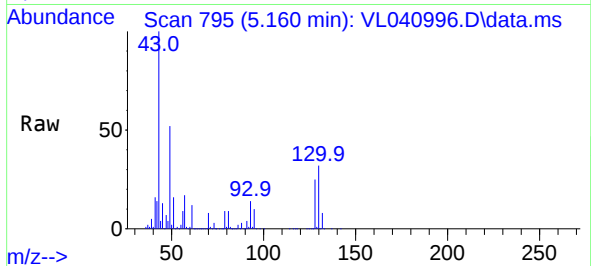




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.160 min Scan# 794  
Delta R.T. 0.004 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

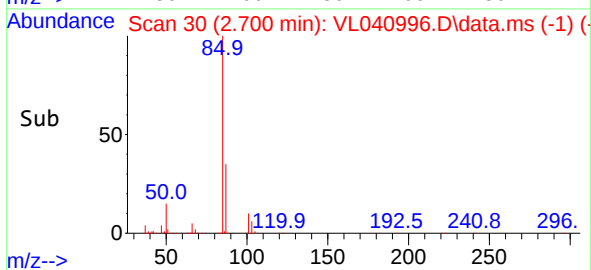
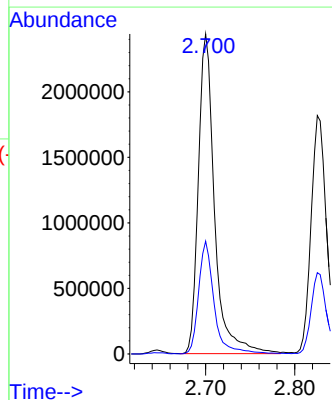
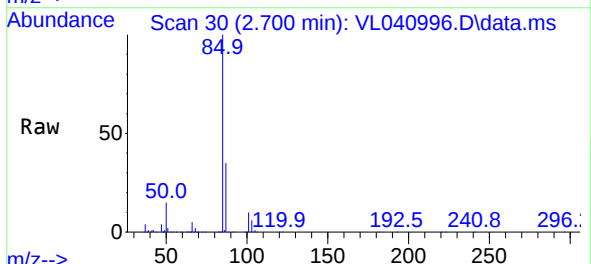
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

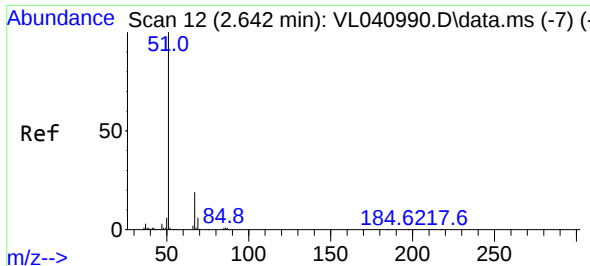
Tgt Ion: 49 Resp: 1089393  
Ion Ratio Lower Upper  
49 100  
128 47.9 23.9 71.7  
130 61.5 31.1 93.5



#2  
Dichlorodifluoromethane  
Concen: 12.849 ppbv  
RT: 2.700 min Scan# 30  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 85 Resp: 3091715  
Ion Ratio Lower Upper  
85 100  
87 35.2 26.3 39.5





#3

Chlorodifluoromethane

Concen: 12.964 ppbv

RT: 2.645 min Scan# 11

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

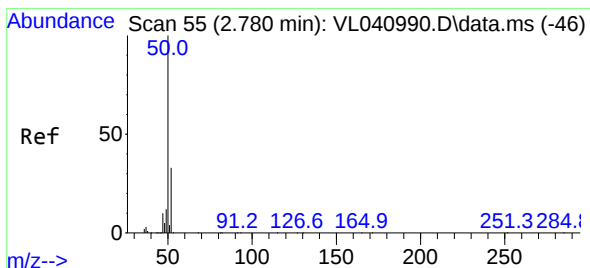
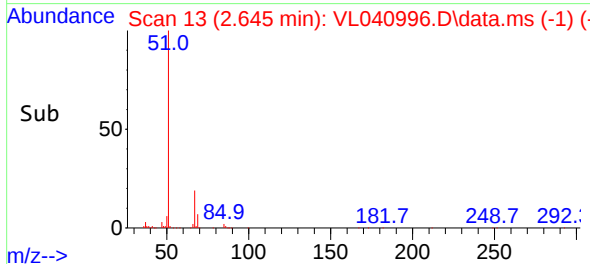
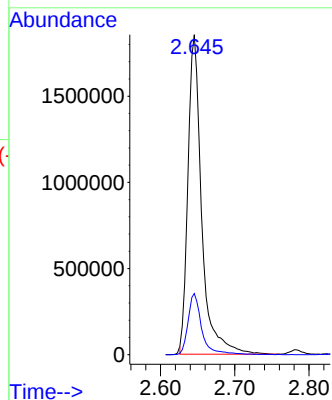
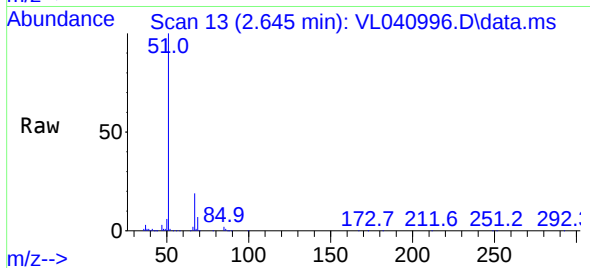
VSTDIC015

Tgt Ion: 51 Resp: 2375394

Ion Ratio Lower Upper

51 100

67 19.1 14.8 22.2



#4

Chloromethane

Concen: 12.942 ppbv

RT: 2.784 min Scan# 56

Delta R.T. 0.003 min

Lab File: VL040996.D

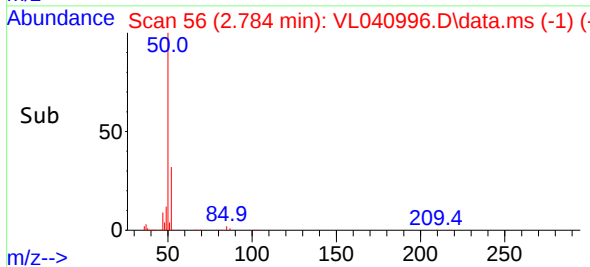
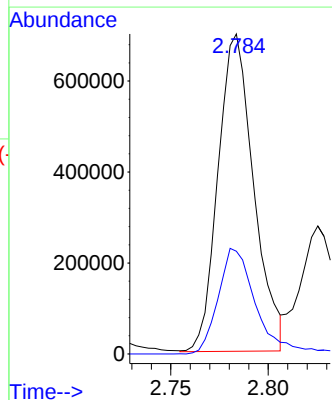
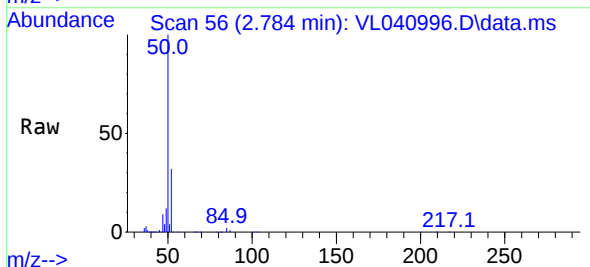
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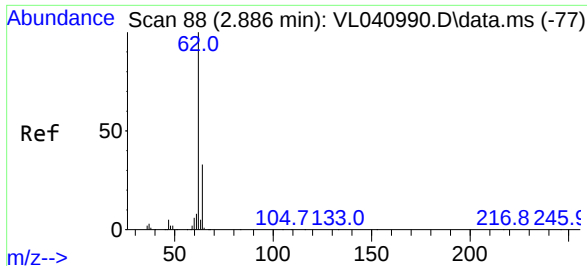
Tgt Ion: 50 Resp: 888824

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4

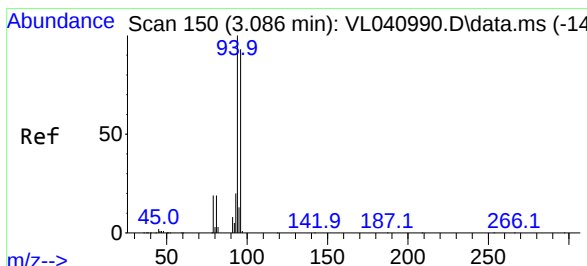
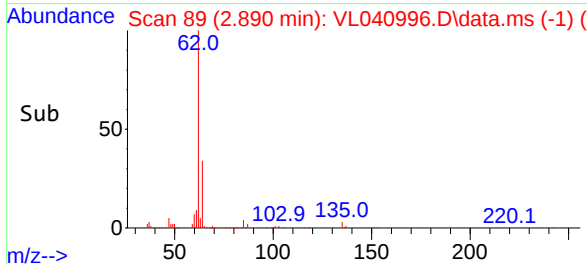
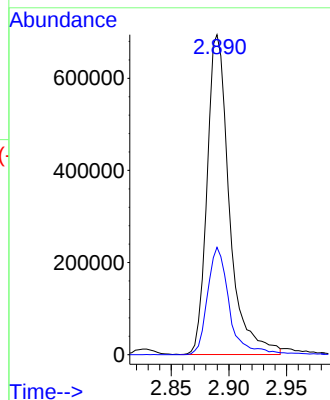
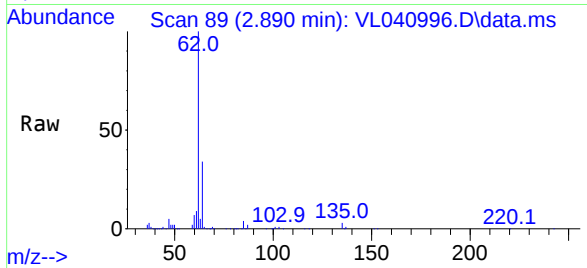




#5  
 Vinyl Chloride  
 Concen: 13.868 ppbv  
 RT: 2.890 min Scan# 89  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

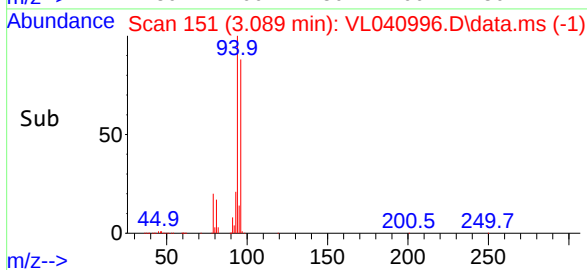
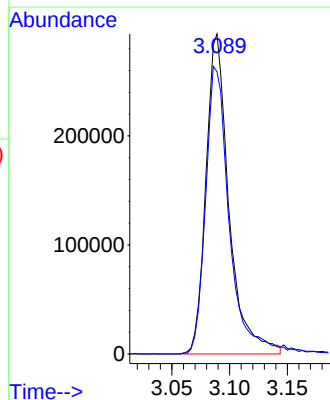
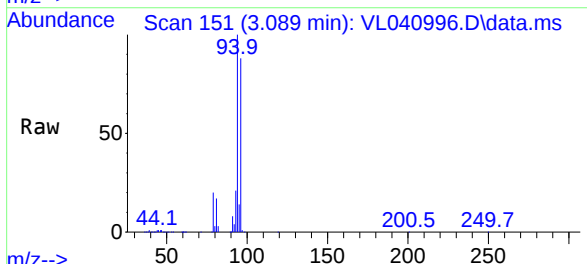
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC015

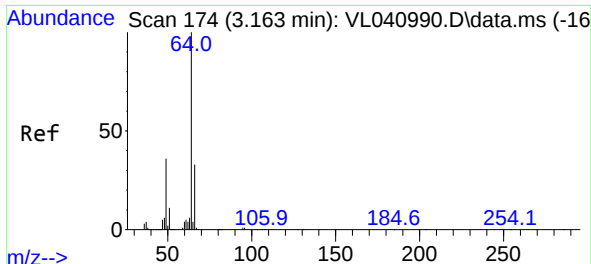
Tgt Ion: 62 Resp: 933786  
 Ion Ratio Lower Upper  
 62 100  
 64 33.6 26.6 40.0



#6  
 Bromomethane  
 Concen: 13.878 ppbv  
 RT: 3.089 min Scan# 151  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Tgt Ion: 94 Resp: 406869  
 Ion Ratio Lower Upper  
 94 100  
 96 88.2 74.2 111.4

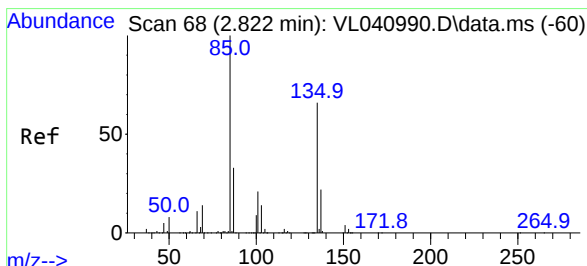
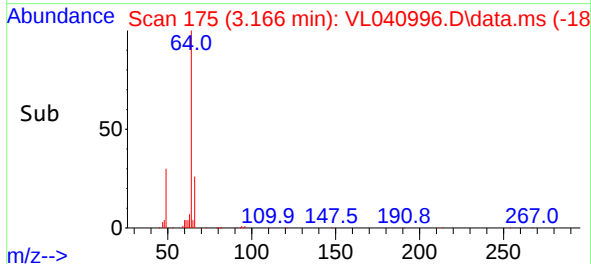
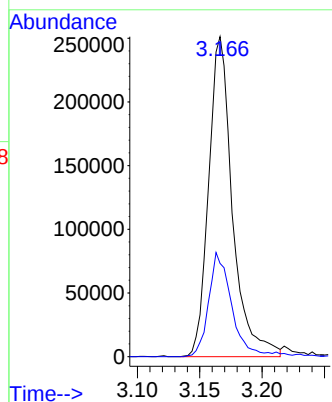
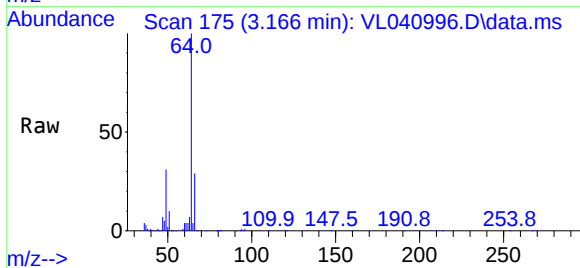




#7  
Chloroethane  
Concen: 13.796 ppbv  
RT: 3.166 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

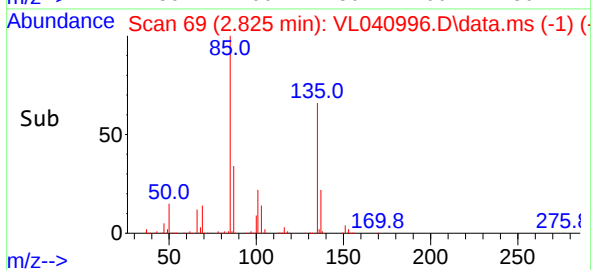
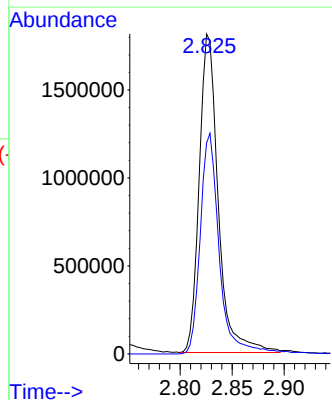
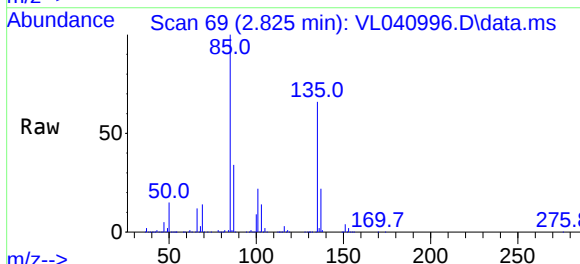
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

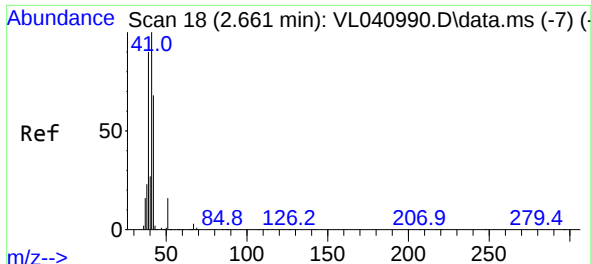
Tgt Ion: 64 Resp: 334506  
Ion Ratio Lower Upper  
64 100  
66 29.1 26.0 39.0



#8  
Dichlorotetrafluoroethane  
Concen: 12.828 ppbv  
RT: 2.825 min Scan# 69  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 85 Resp: 2305829  
Ion Ratio Lower Upper  
85 100  
135 70.0 55.0 82.6

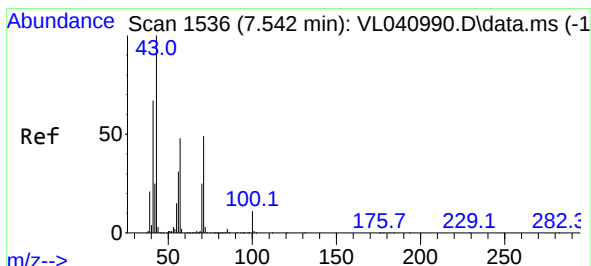
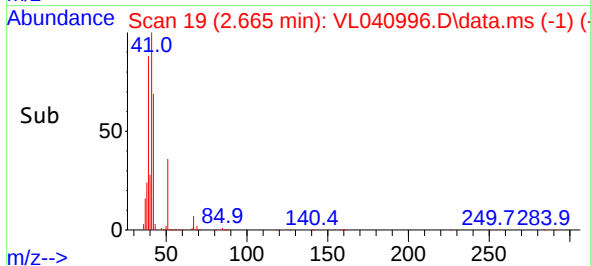
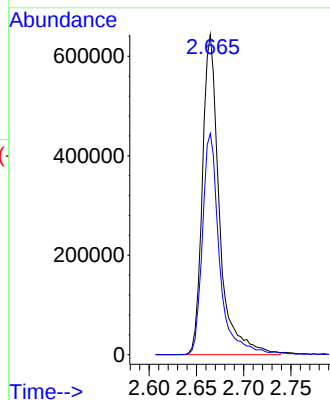
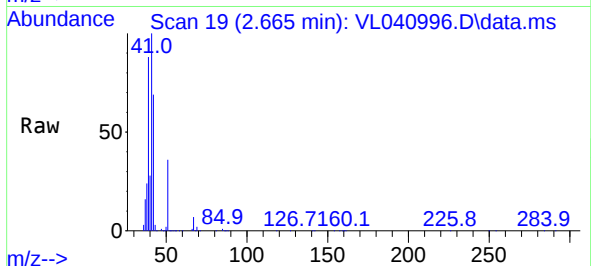




#9  
Propene  
Concen: 13.390 ppbv  
RT: 2.665 min Scan# 1537  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

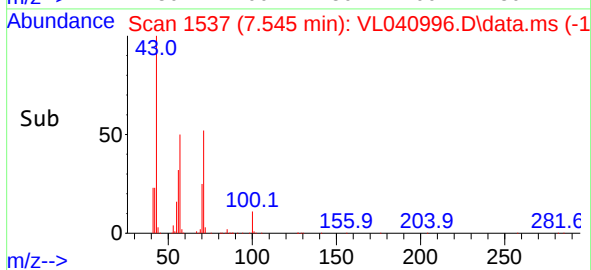
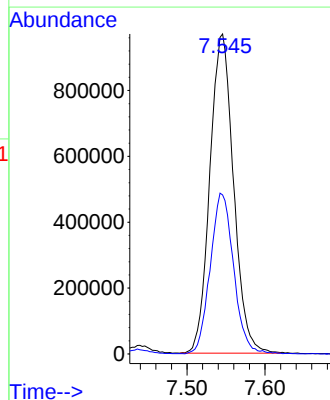
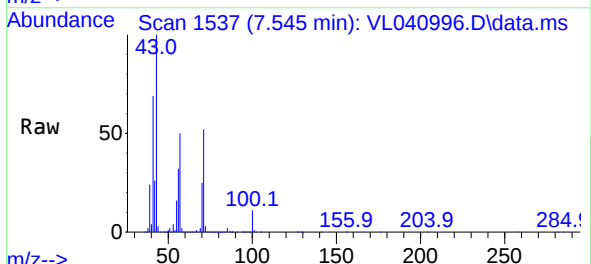
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

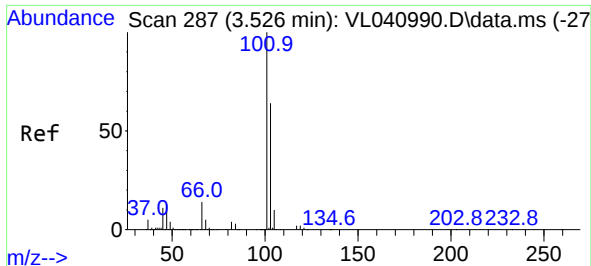
Tgt Ion: 41 Resp: 804762  
Ion Ratio Lower Upper  
41 100  
42 70.2 59.0 88.4



#10  
Heptane  
Concen: 13.842 ppbv  
RT: 7.545 min Scan# 1537  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 43 Resp: 2047426  
Ion Ratio Lower Upper  
43 100  
57 49.9 39.4 59.2

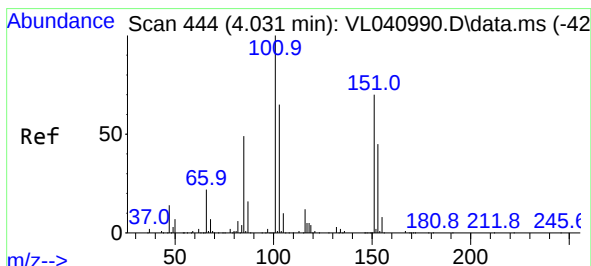
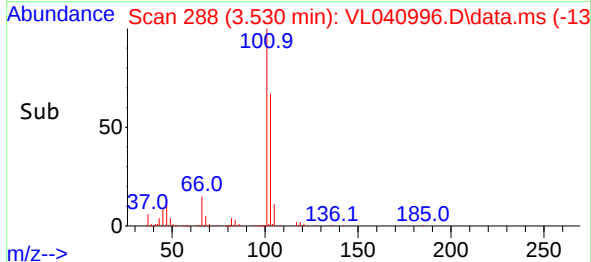
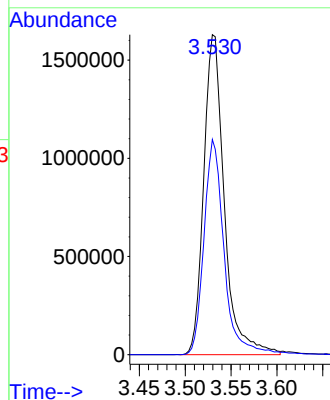
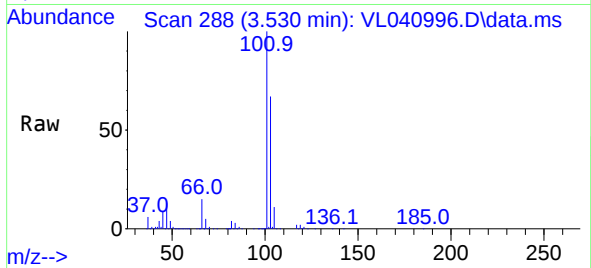




#11  
 Trichlorofluoromethane  
 Concen: 13.133 ppbv  
 RT: 3.530 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

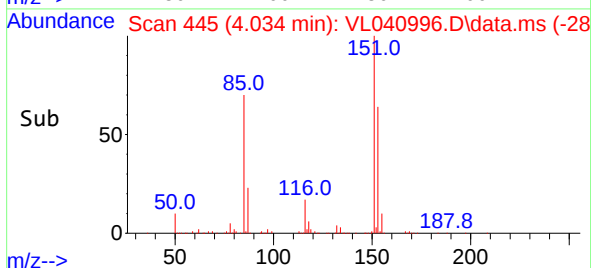
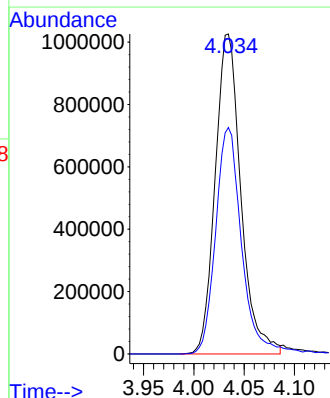
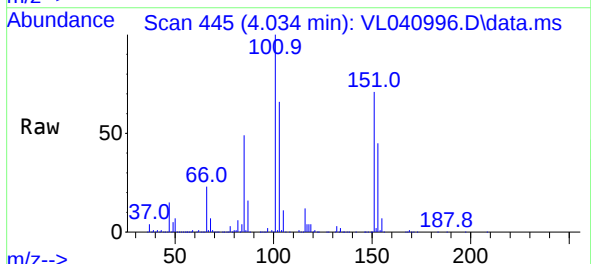
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

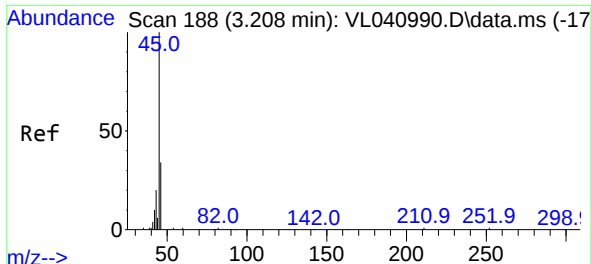
Tgt Ion:101 Resp: 2546309  
 Ion Ratio Lower Upper  
 101 100  
 103 67.3 51.4 77.2



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 12.986 ppbv  
 RT: 4.034 min Scan# 445  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Tgt Ion:101 Resp: 1824677  
 Ion Ratio Lower Upper  
 101 100  
 151 72.1 56.6 85.0

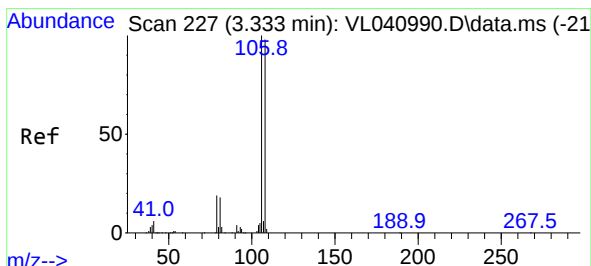
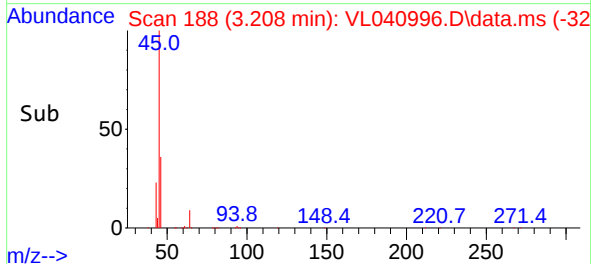
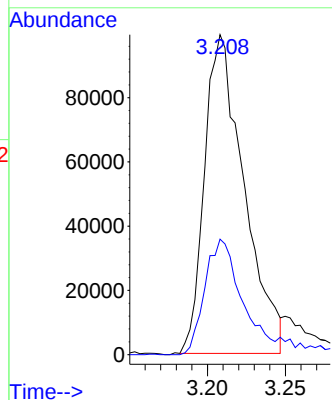
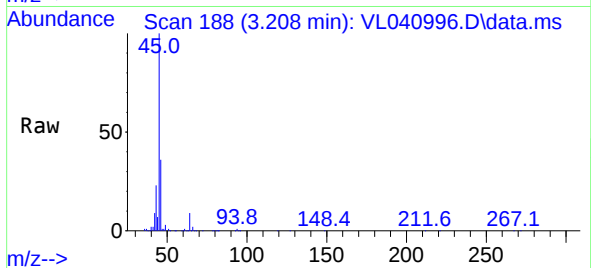




#13  
Ethanol  
Concen: 12.185 ppbv  
RT: 3.208 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

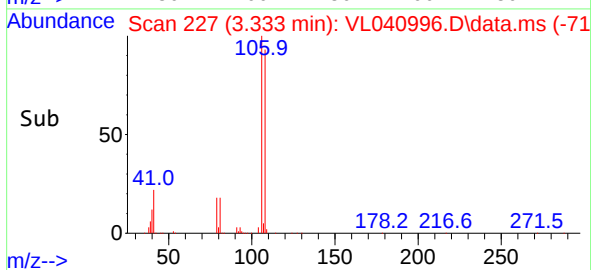
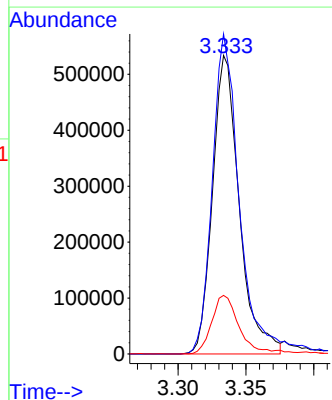
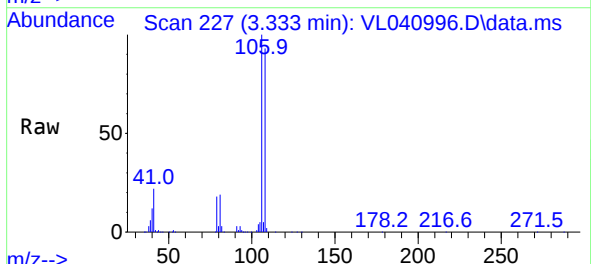
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

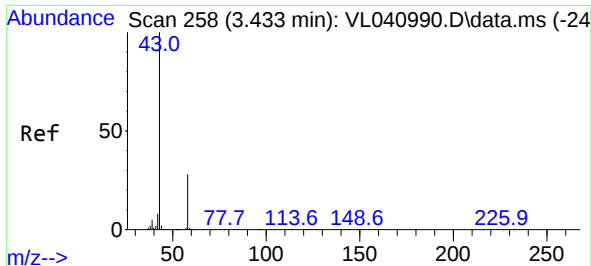
Tgt Ion: 45 Resp: 174531  
Ion Ratio Lower Upper  
45 100  
46 39.1 16.2 64.8



#14  
Bromoethene  
Concen: 13.594 ppbv  
RT: 3.333 min Scan# 227  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:108 Resp: 733408  
Ion Ratio Lower Upper  
108 100  
106 111.1 86.4 129.6  
79 21.0 16.2 24.4

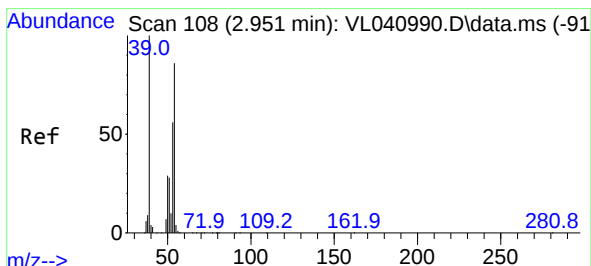
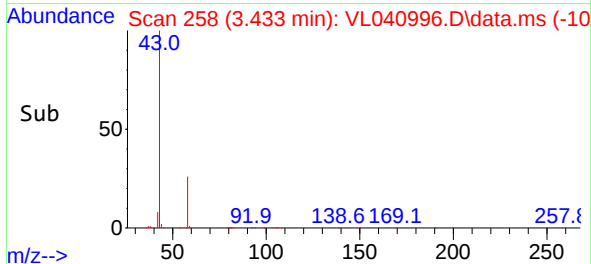
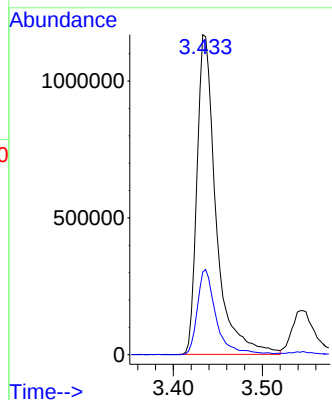
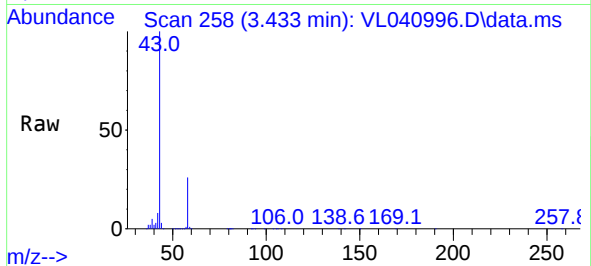




#15  
Acetone  
Concen: 12.499 ppbv  
RT: 3.433 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

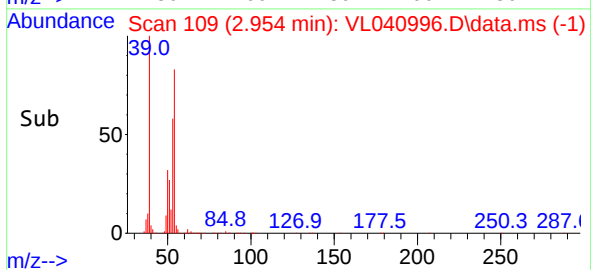
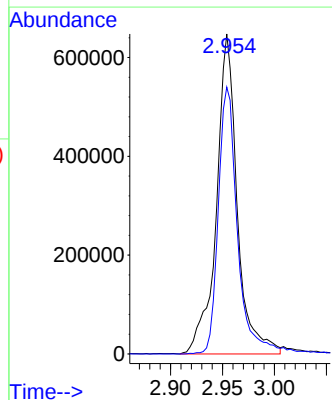
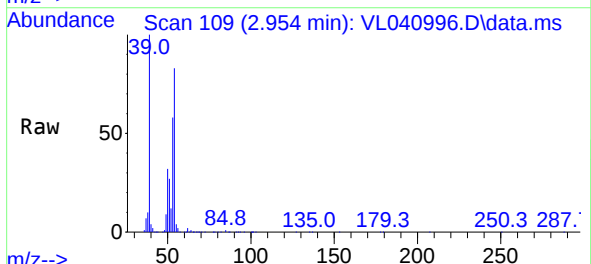
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

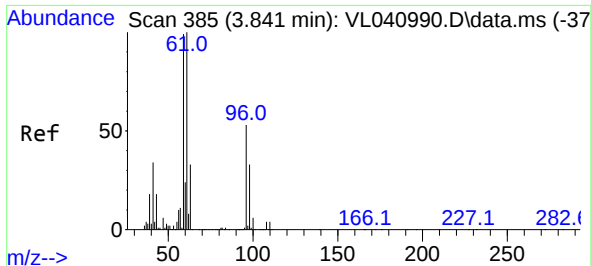
Tgt Ion: 43 Resp: 1741259  
Ion Ratio Lower Upper  
43 100  
58 26.3 22.2 33.2



#16  
1,3-Butadiene  
Concen: 13.598 ppbv  
RT: 2.954 min Scan# 109  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 39 Resp: 906228  
Ion Ratio Lower Upper  
39 100  
54 78.1 62.7 94.1

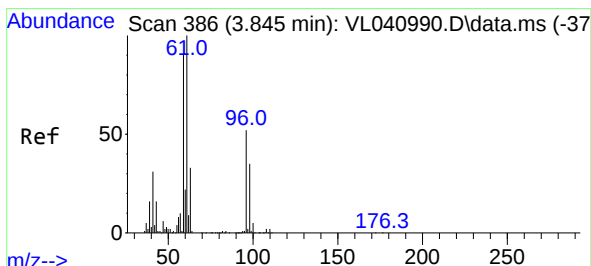
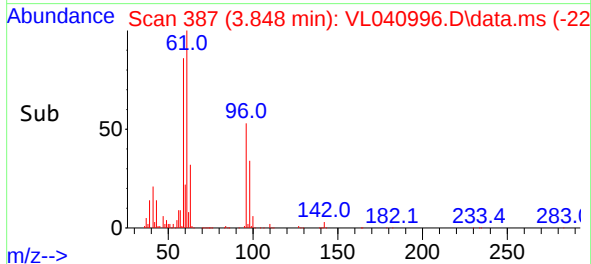
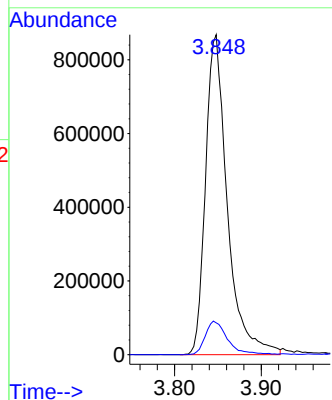
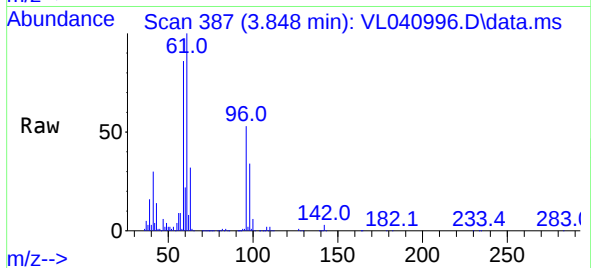




#17  
tert-Butyl alcohol  
Concen: 13.241 ppbv  
RT: 3.848 min Scan# 387  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

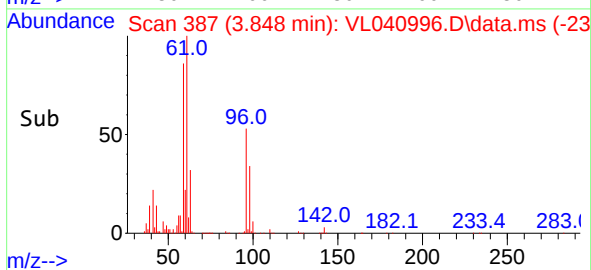
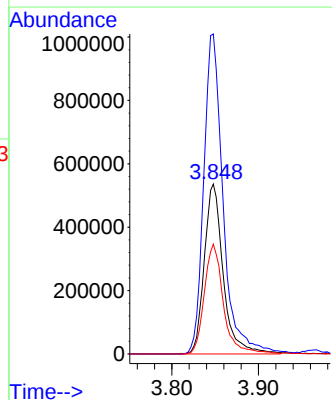
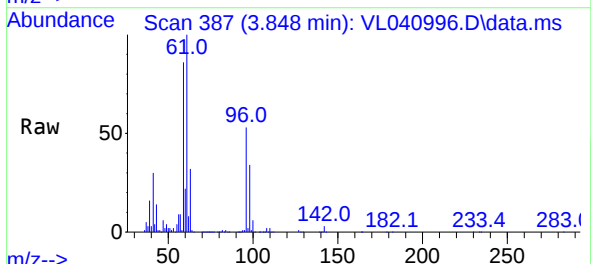
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

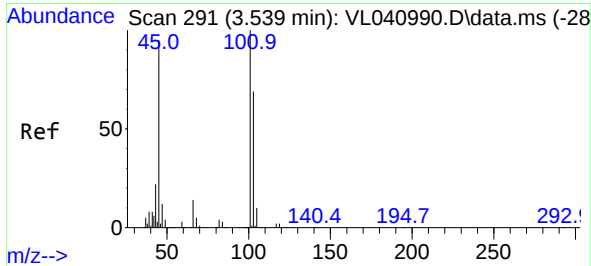
Tgt Ion: 59 Resp: 1512989  
Ion Ratio Lower Upper  
59 100  
57 11.0 8.7 13.1



#18  
1,1-Dichloroethene  
Concen: 13.559 ppbv  
RT: 3.848 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 96 Resp: 815705  
Ion Ratio Lower Upper  
96 100  
61 188.3 153.8 230.8  
98 64.6 53.7 80.5





#19

Isopropyl Alcohol

Concen: 13.596 ppbv

RT: 3.546 min Scan# 291

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

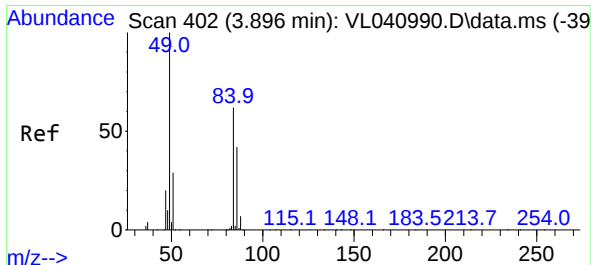
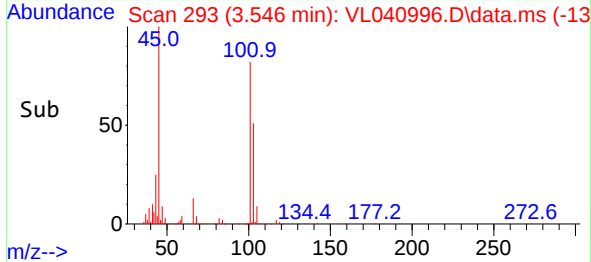
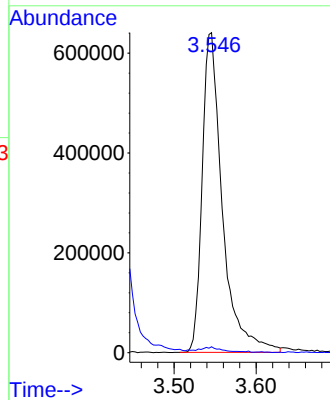
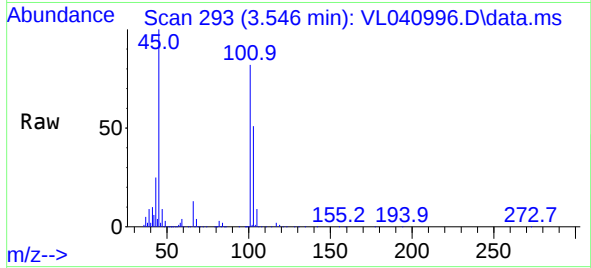
VSTDIC015

Tgt Ion: 45 Resp: 1096410

Ion Ratio Lower Upper

45 100

58 2.3 2.2 3.4



#20

Methylene Chloride

Concen: 12.067 ppbv

RT: 3.899 min Scan# 403

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 84 Resp: 646851

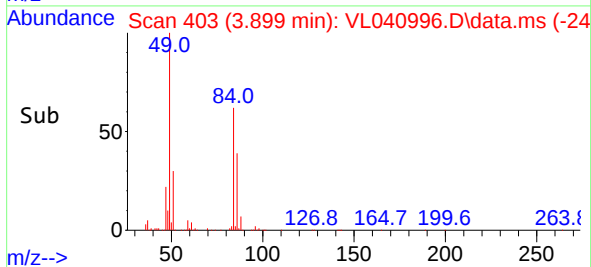
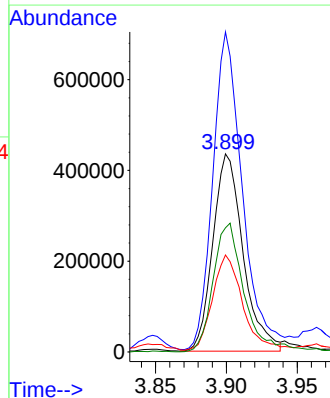
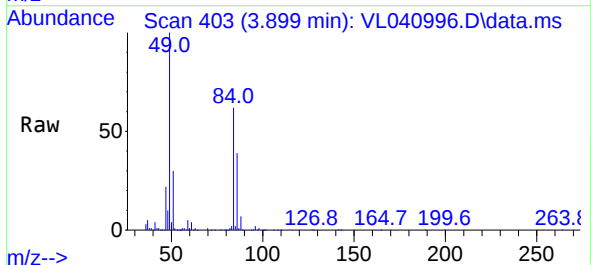
Ion Ratio Lower Upper

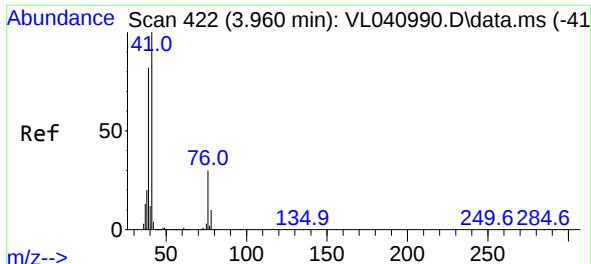
84 100

49 160.9 128.1 192.1

51 48.0 36.5 54.7

86 62.8 54.1 81.1





#21

Allyl Chloride

Concen: 13.888 ppbv

RT: 3.964 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

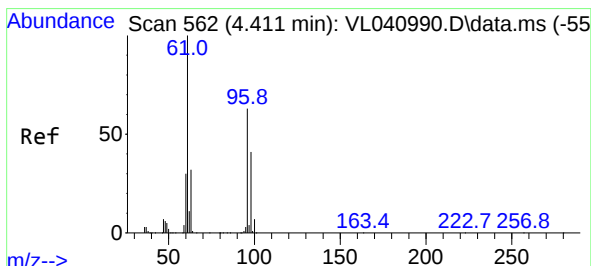
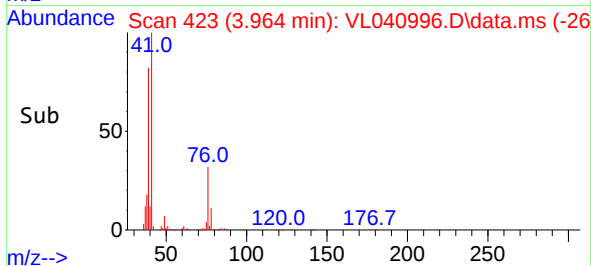
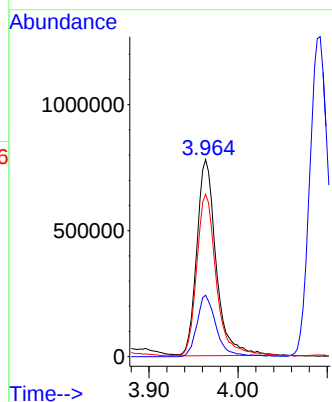
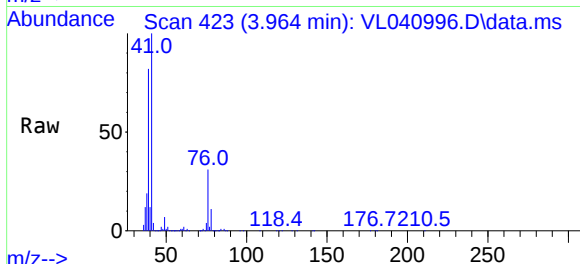
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 41 Resp: 1175558

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 76  | 31.5  | 25.0  | 37.4  |
| 39  | 83.6  | 67.0  | 100.6 |



#22

trans-1,2-Dichloroethene

Concen: 13.603 ppbv

RT: 4.414 min Scan# 563

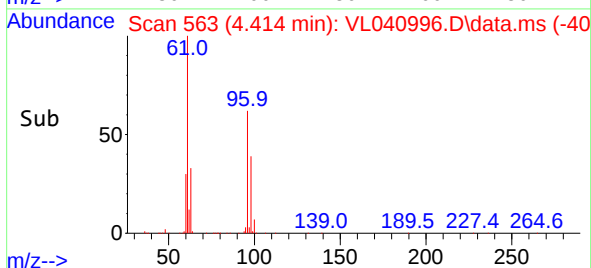
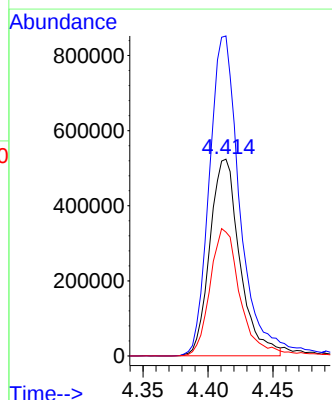
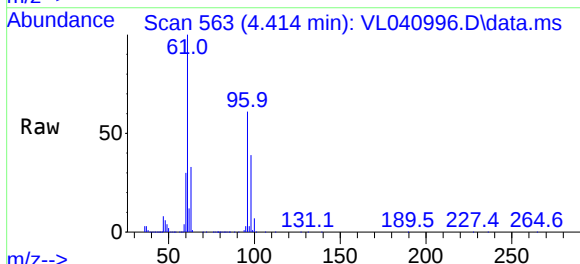
Delta R.T. 0.003 min

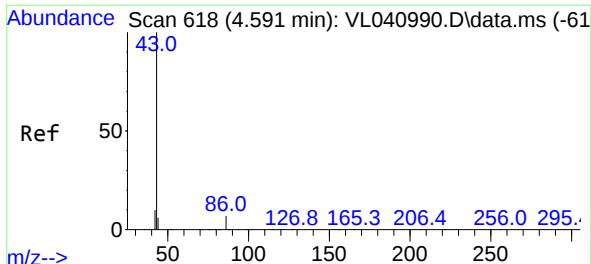
Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 96 Resp: 842618

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 162.5 | 126.0 | 189.0 |
| 98  | 62.8  | 51.2  | 76.8  |



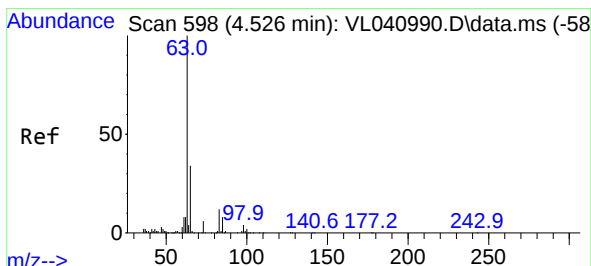
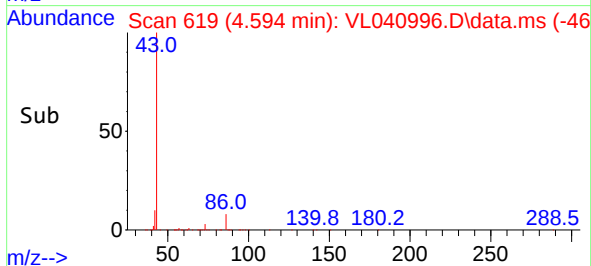
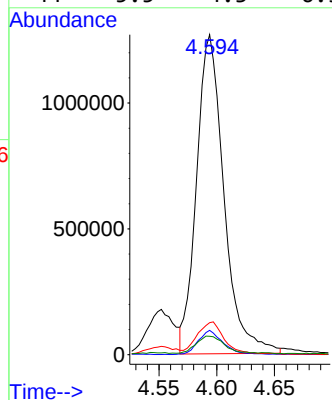
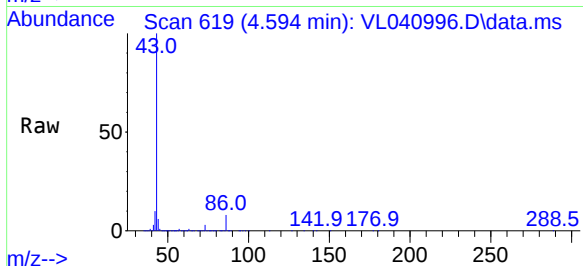


#23  
 Vinyl Acetate  
 Concen: 14.574 ppbv  
 RT: 4.594 min Scan# 618  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 43 Resp: 2092899

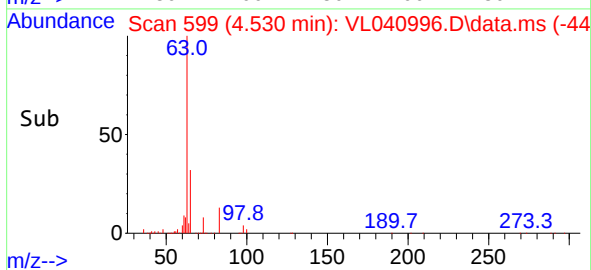
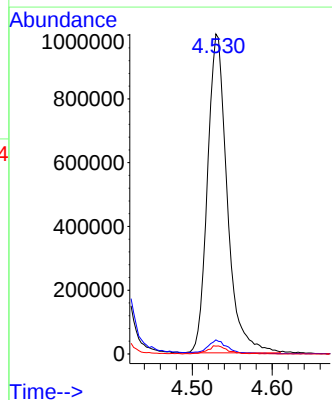
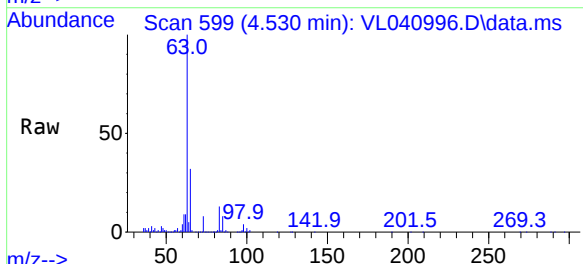
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 7.6   | 5.4   | 8.0   |
| 42  | 9.9   | 8.6   | 13.0  |
| 44  | 5.5   | 4.3   | 6.5   |

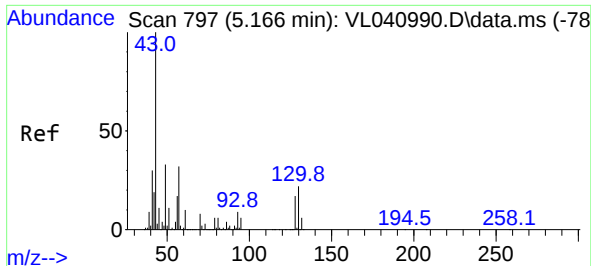


#24  
 1,1-Dichloroethane  
 Concen: 13.464 ppbv  
 RT: 4.530 min Scan# 599  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Tgt Ion: 63 Resp: 1715166

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.3   | 2.1   | 6.3   |
| 100 | 2.4   | 1.3   | 3.9   |





#25

Ethyl Acetate

Concen: 13.638 ppbv

RT: 5.169 min Scan# 79

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

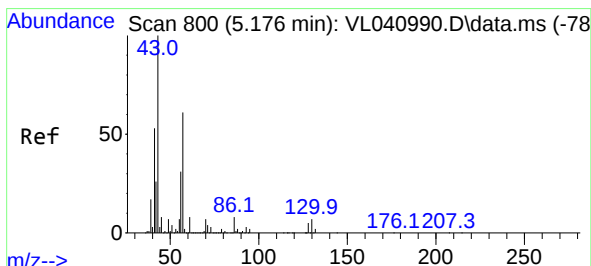
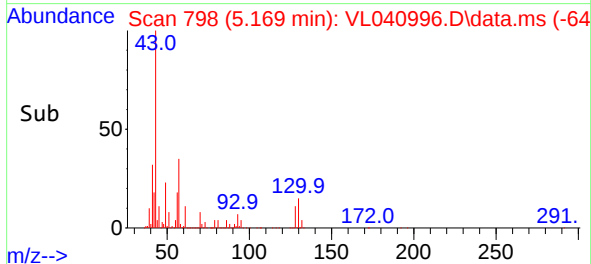
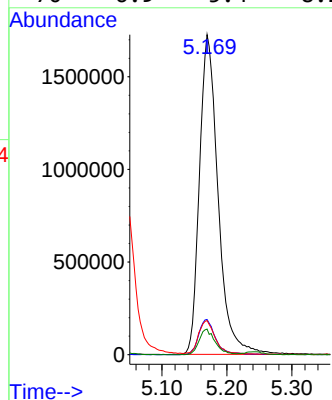
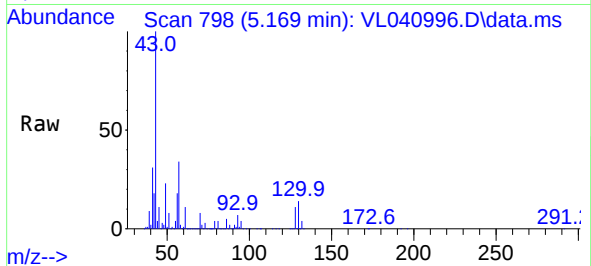
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 43 Resp: 3444963

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.2  | 8.2   | 12.4  |
| 61  | 9.8   | 7.9   | 11.9  |
| 70  | 6.9   | 5.4   | 8.2   |



#26

Hexane

Concen: 13.751 ppbv

RT: 5.179 min Scan# 801

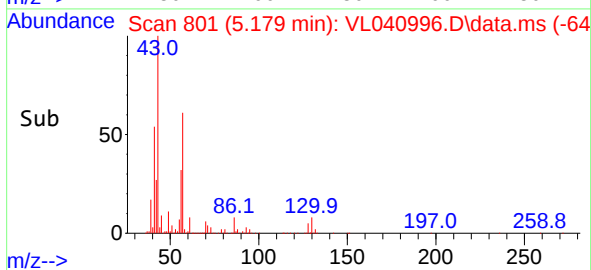
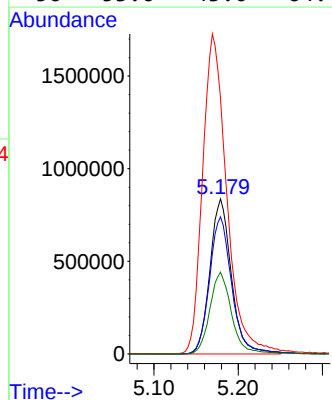
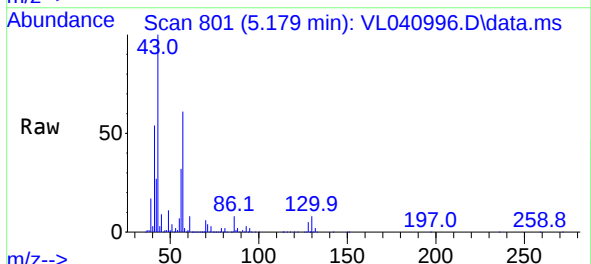
Delta R.T. 0.003 min

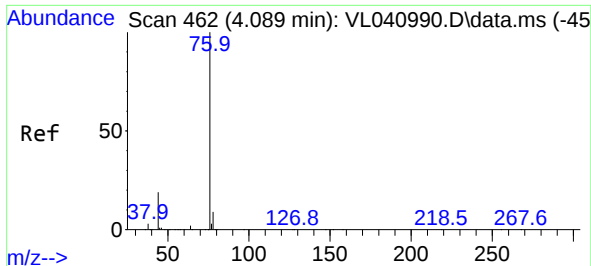
Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 57 Resp: 1480576

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.2  | 74.4  | 111.6 |
| 43  | 234.4 | 190.6 | 285.8 |
| 56  | 53.6  | 43.0  | 64.4  |

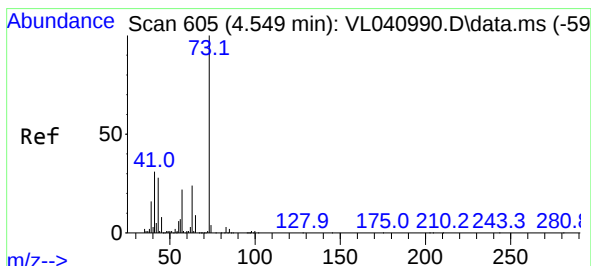
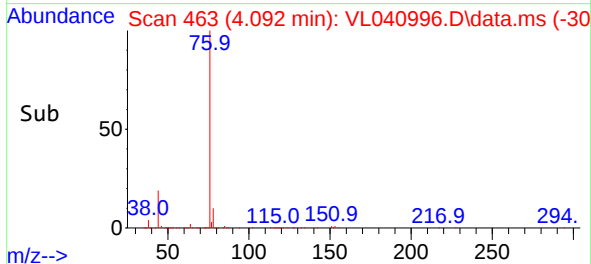
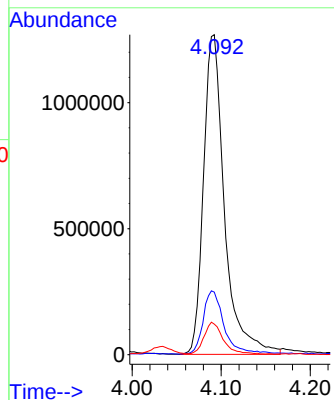
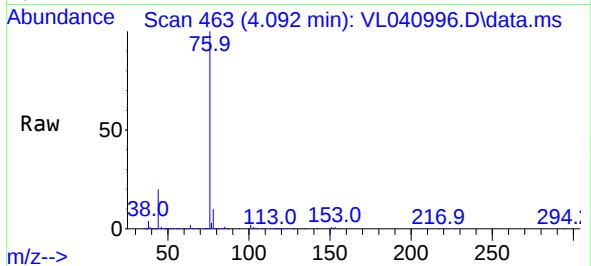




#27  
Carbon Disulfide  
Concen: 14.794 ppbv  
RT: 4.092 min Scan# 409  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

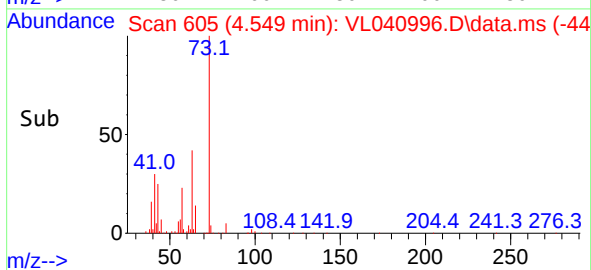
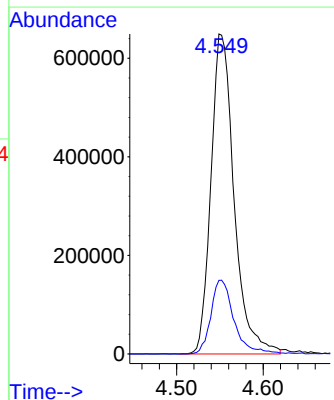
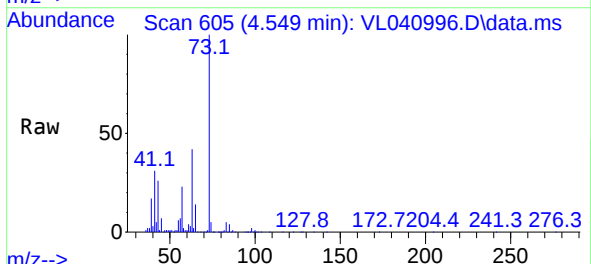
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

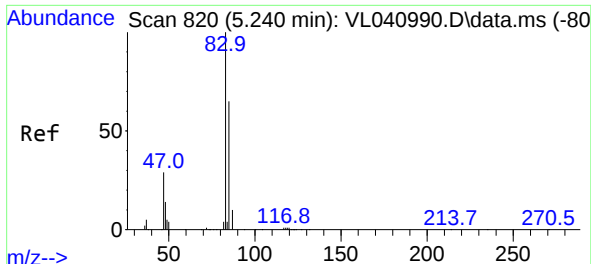
Tgt Ion: 76 Resp: 2072856  
Ion Ratio Lower Upper  
76 100  
44 20.2 16.0 24.0  
78 9.6 7.8 11.8



#28  
Methyl tert-Butyl Ether  
Concen: 13.479 ppbv  
RT: 4.549 min Scan# 605  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 73 Resp: 1204561  
Ion Ratio Lower Upper  
73 100  
57 23.2 18.0 27.0





#29

Chloroform

Concen: 13.330 ppbv

RT: 5.240 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

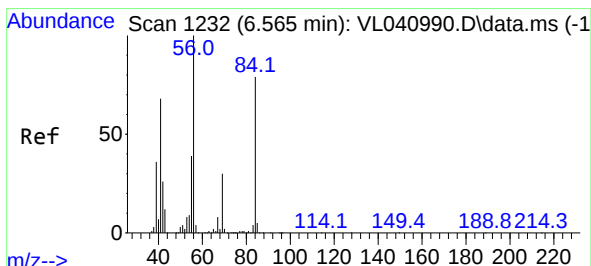
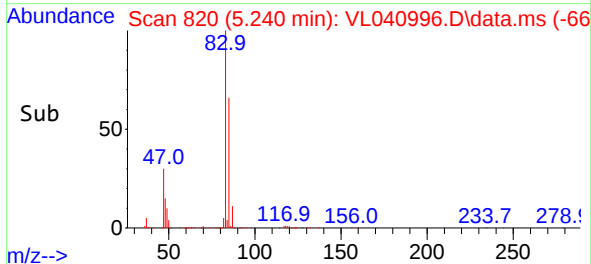
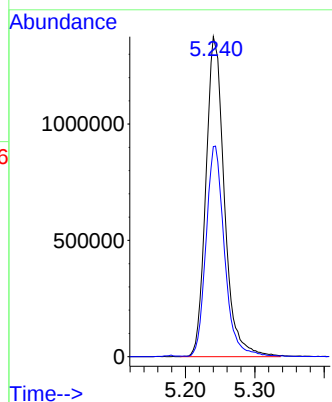
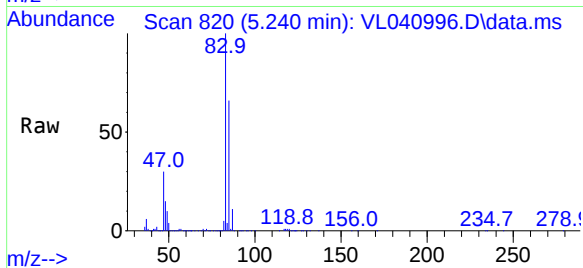
VSTDIC015

Tgt Ion: 83 Resp: 2545659

Ion Ratio Lower Upper

83 100

85 65.4 51.6 77.4



#30

Cyclohexane

Concen: 13.975 ppbv

RT: 6.565 min Scan# 1232

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

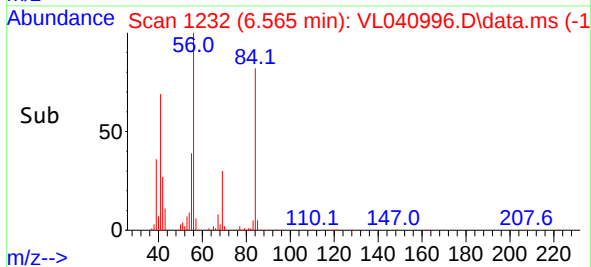
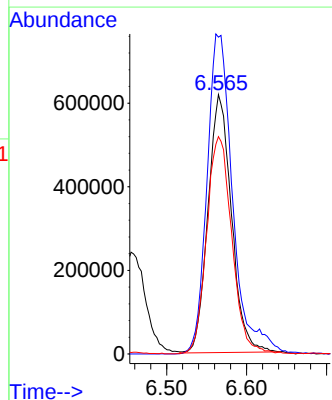
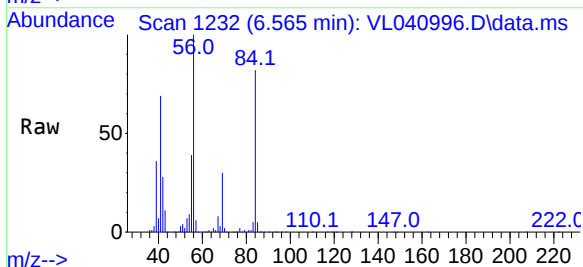
Tgt Ion: 84 Resp: 1260757

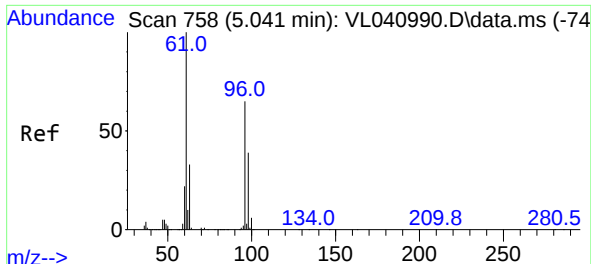
Ion Ratio Lower Upper

84 100

56 136.4 111.7 167.5

41 90.3 71.0 106.6

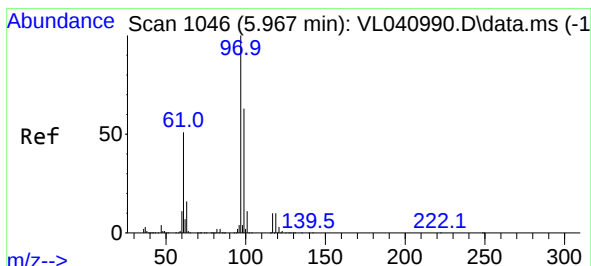
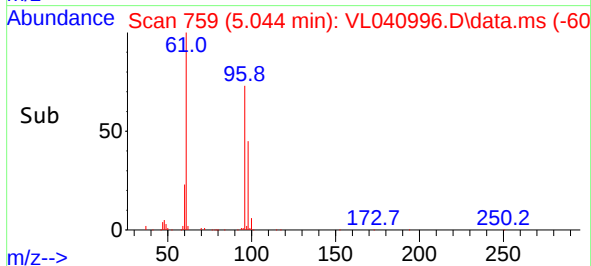
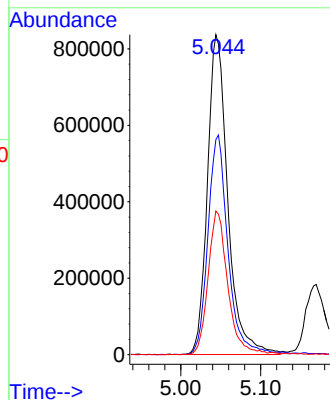
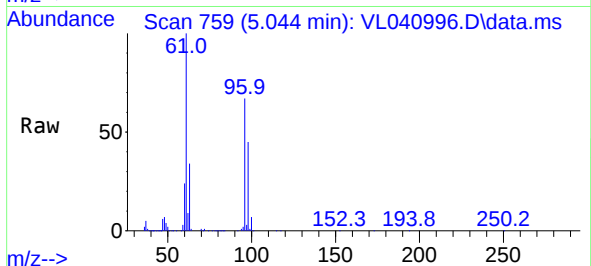




#31  
cis-1,2-Dichloroethene  
Concen: 14.647 ppbv  
RT: 5.044 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

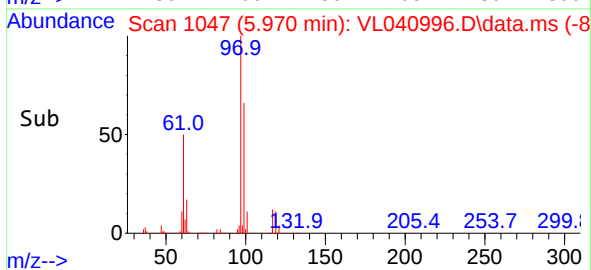
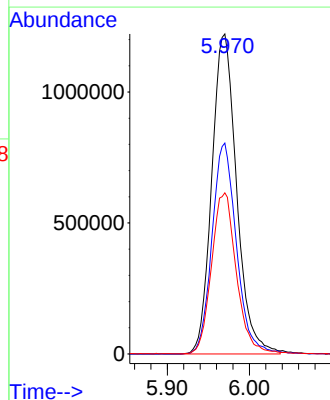
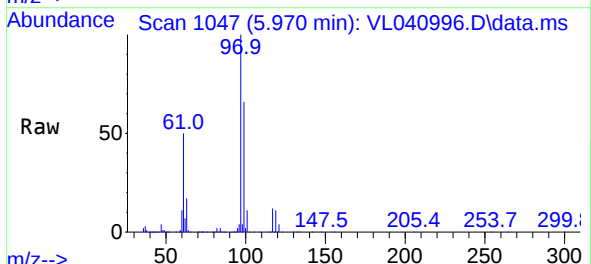
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

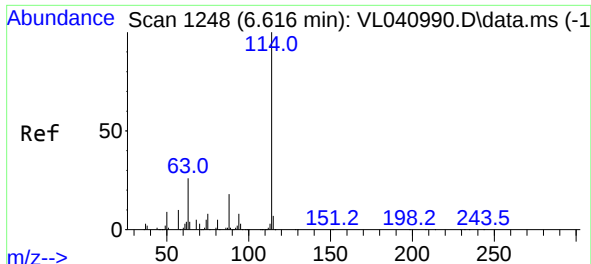
Tgt Ion: 61 Resp: 1480193  
Ion Ratio Lower Upper  
61 100  
96 67.2 51.9 77.9  
98 44.9 31.5 47.3



#32  
1,1,1-Trichloroethane  
Concen: 14.069 ppbv  
RT: 5.970 min Scan# 1047  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 97 Resp: 2567928  
Ion Ratio Lower Upper  
97 100  
99 65.1 51.5 77.3  
61 50.6 40.3 60.5





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.623 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

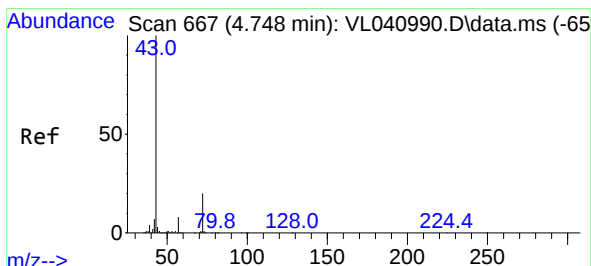
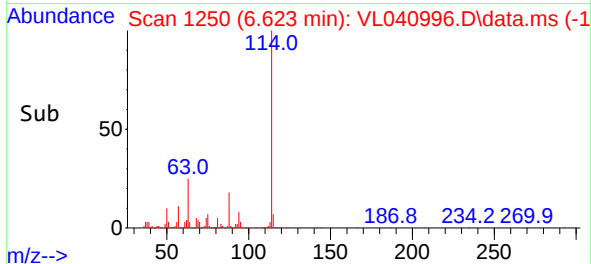
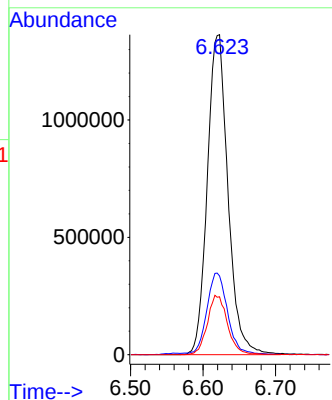
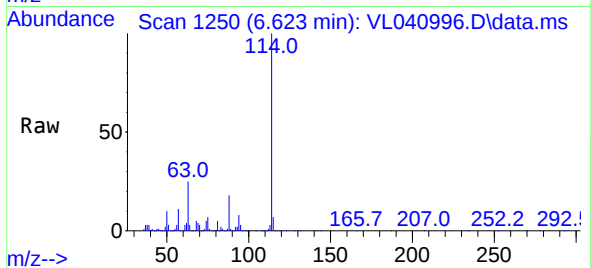
Tgt Ion:114 Resp: 2703189

Ion Ratio Lower Upper

114 100

63 26.2 20.8 31.2

88 18.1 14.3 21.5



#34

2-Butanone

Concen: 14.730 ppbv

RT: 4.751 min Scan# 668

Delta R.T. 0.003 min

Lab File: VL040996.D

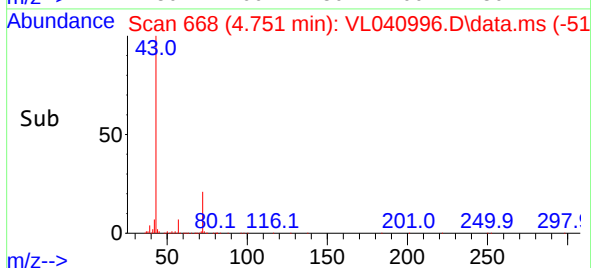
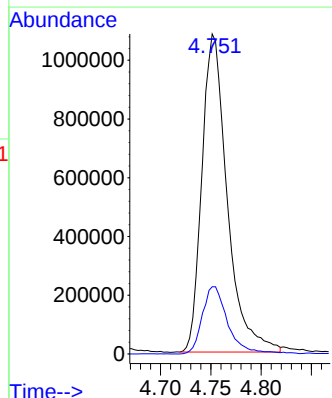
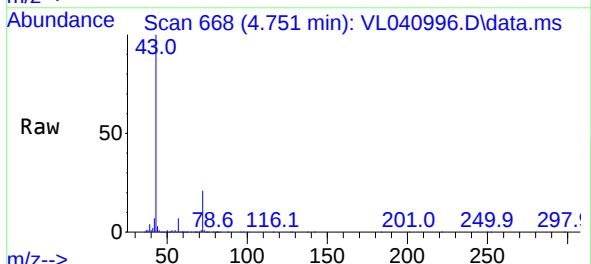
Acq: 23 Jan 2024 13:34

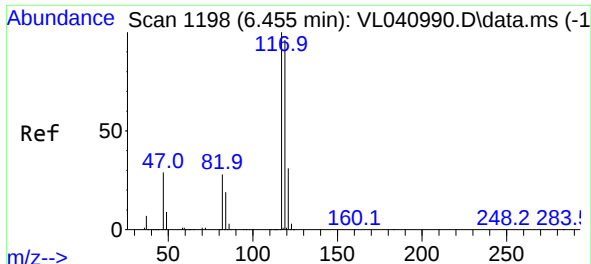
Tgt Ion: 43 Resp: 1896944

Ion Ratio Lower Upper

43 100

72 21.8 17.5 26.3

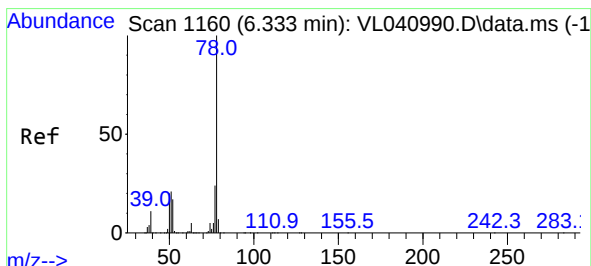
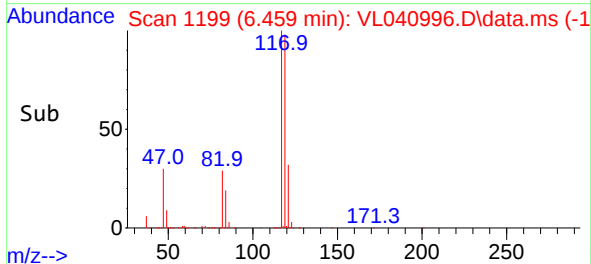
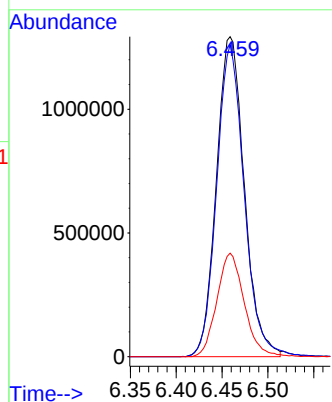
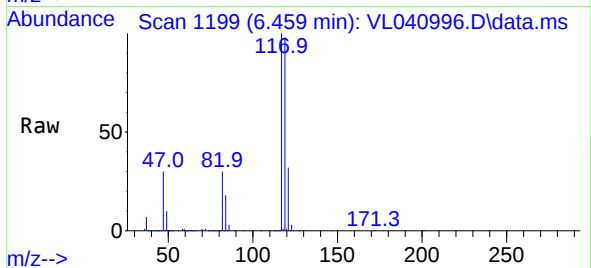




#35  
Carbon Tetrachloride  
Concen: 15.175 ppbv  
RT: 6.459 min Scan# 1199  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

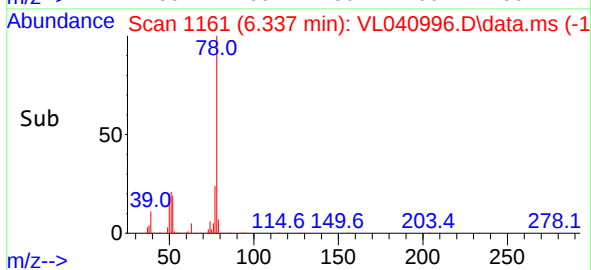
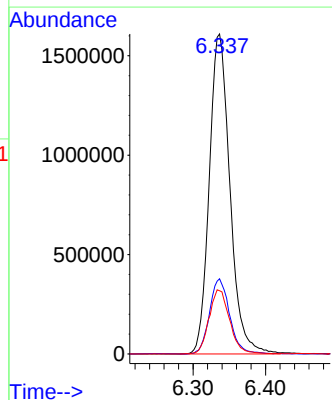
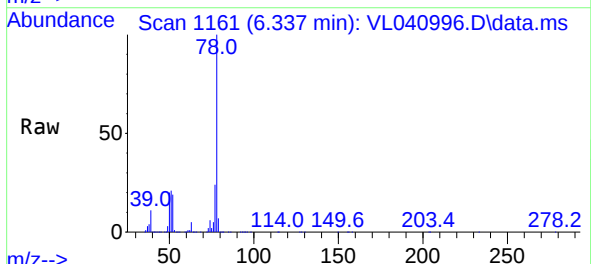
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

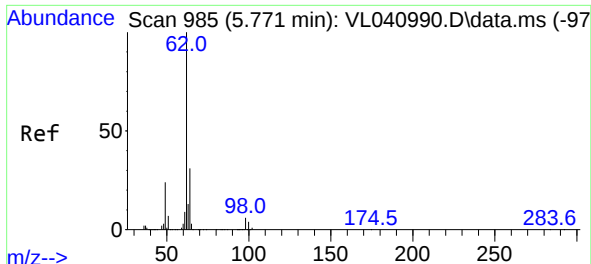
Tgt Ion:117 Resp: 2735485  
Ion Ratio Lower Upper  
117 100  
119 97.5 76.9 115.3  
121 32.3 24.7 37.1



#36  
Benzene  
Concen: 14.290 ppbv  
RT: 6.337 min Scan# 1161  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 78 Resp: 3190232  
Ion Ratio Lower Upper  
78 100  
77 23.5 19.0 28.4  
50 19.7 15.8 23.6

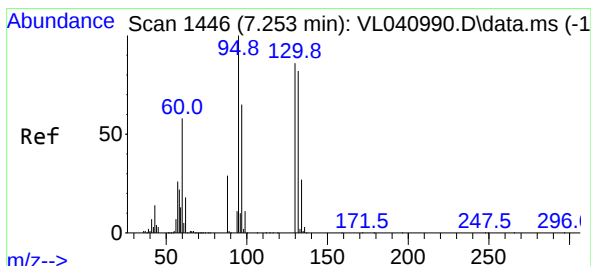
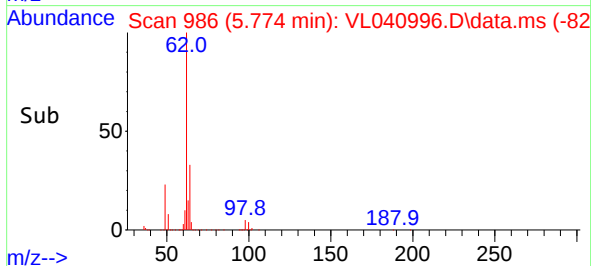
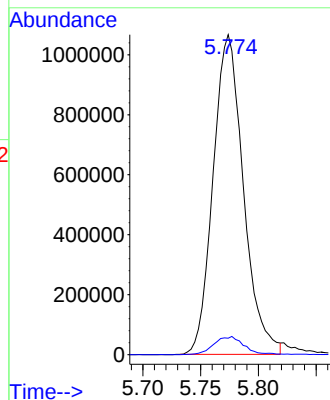
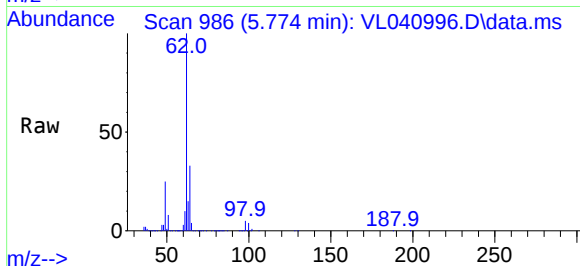




#37  
1,2-Dichloroethane  
Concen: 14.289 ppbv  
RT: 5.774 min Scan# 91  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

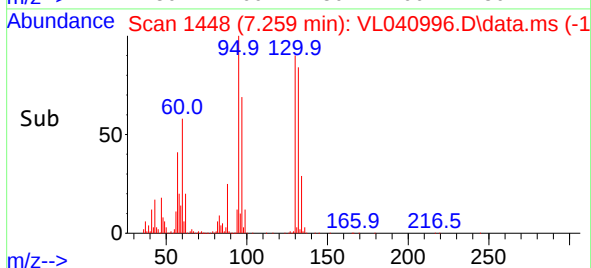
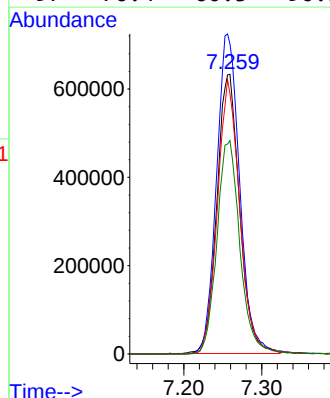
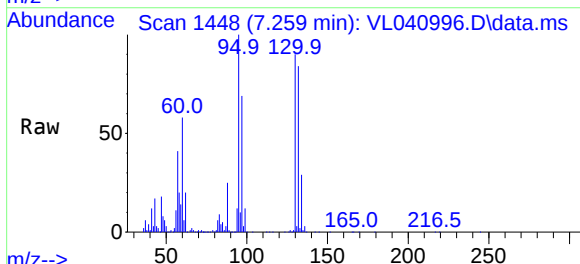
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

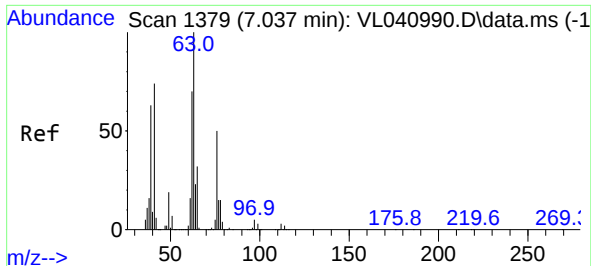
Tgt Ion: 62 Resp: 1946723  
Ion Ratio Lower Upper  
62 100  
98 5.9 4.7 7.1



#38  
Trichloroethene  
Concen: 14.356 ppbv  
RT: 7.259 min Scan# 1448  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:130 Resp: 1284865  
Ion Ratio Lower Upper  
130 100  
95 111.0 92.9 139.3  
132 93.2 76.2 114.2  
97 76.4 60.3 90.5





#39

1,2-Dichloropropane

Concen: 14.483 ppbv

RT: 7.041 min Scan# 1

Delta R.T. 0.003 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

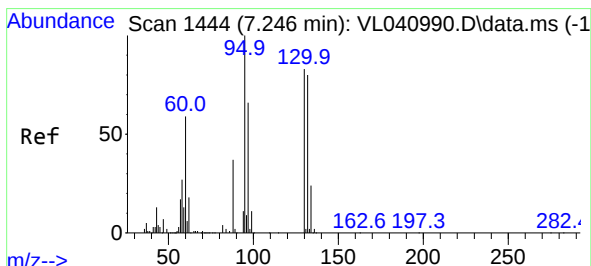
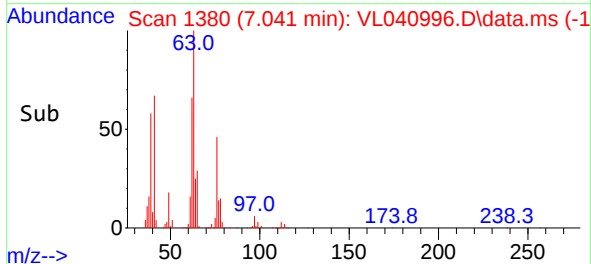
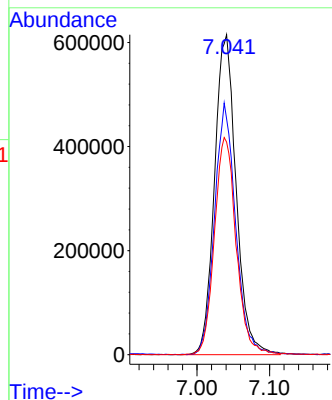
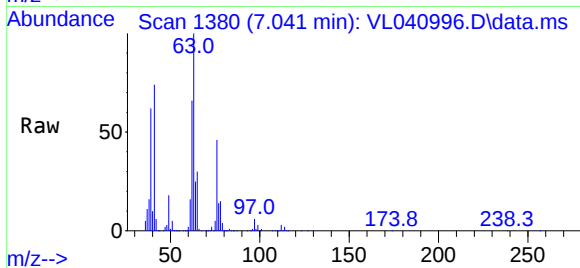
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1273740

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 73.7  | 59.6  | 89.4  |
| 62  | 66.5  | 55.6  | 83.4  |



#40

1,4-Dioxane

Concen: 14.321 ppbv

RT: 7.250 min Scan# 1445

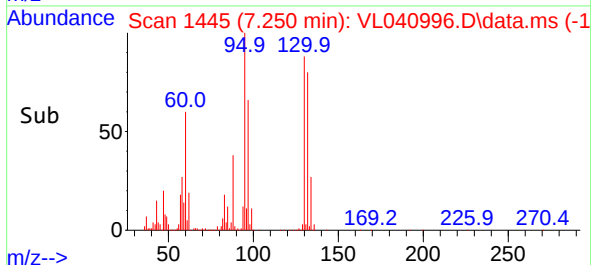
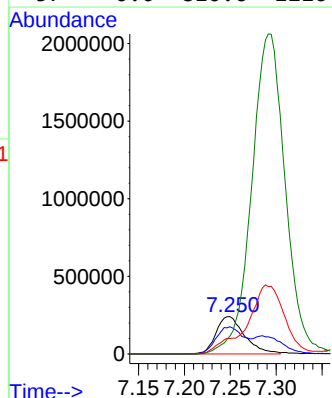
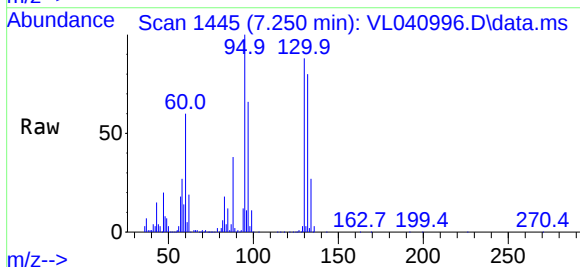
Delta R.T. 0.003 min

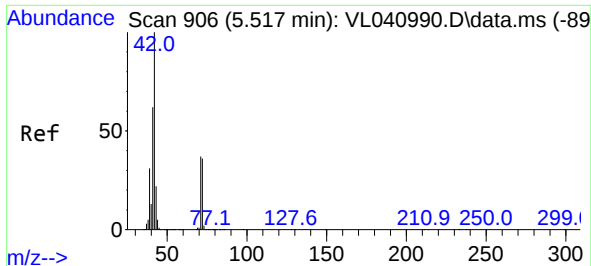
Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 88 Resp: 523126

| Ion | Ratio | Lower | Upper   |
|-----|-------|-------|---------|
| 88  | 100   |       |         |
| 58  | 73.8  | 96.6  | 144.8#  |
| 43  | 0.0   | 191.0 | 286.6#  |
| 57  | 0.0   | 810.6 | 1216.0# |





#41

Tetrahydrofuran

Concen: 15.103 ppbv

RT: 5.523 min Scan# 906

Delta R.T. 0.006 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

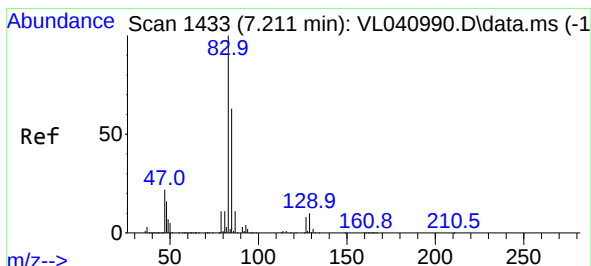
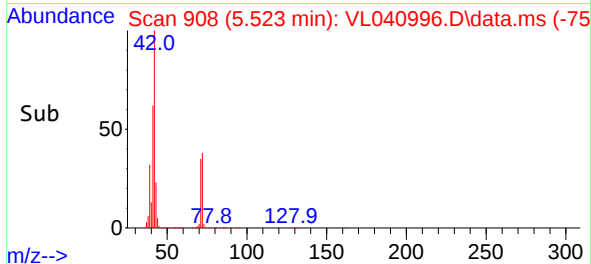
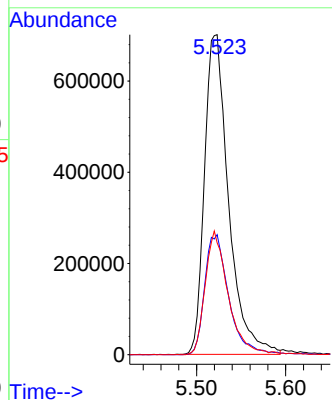
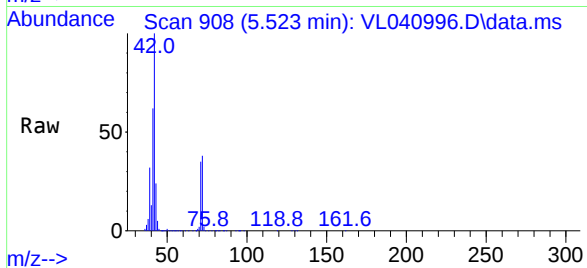
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 42 Resp: 1320626

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 37.9  | 30.0  | 45.0  |
| 71  | 37.2  | 29.5  | 44.3  |



#42

Bromodichloromethane

Concen: 14.865 ppbv

RT: 7.214 min Scan# 1434

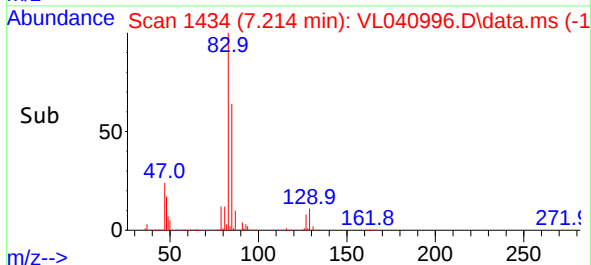
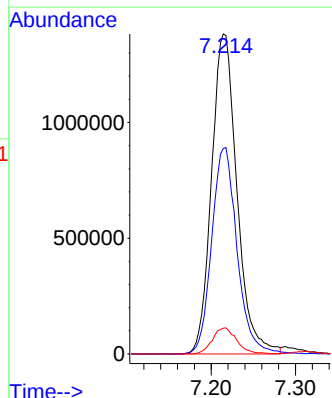
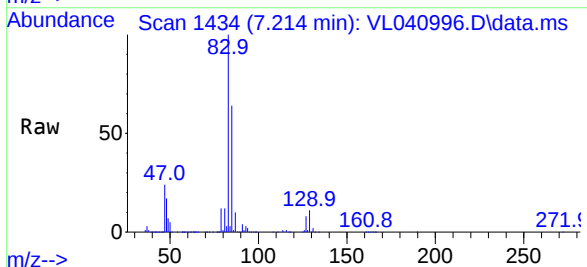
Delta R.T. 0.003 min

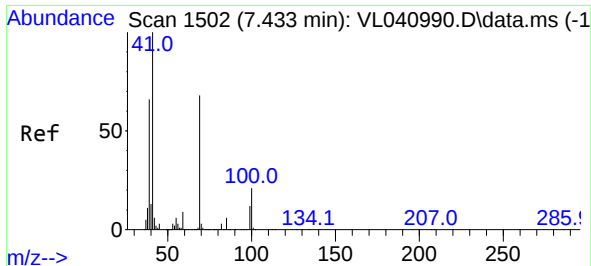
Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Tgt Ion: 83 Resp: 2897651

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 85  | 64.2  | 50.5  | 75.7  |
| 127 | 8.1   | 6.4   | 9.6   |

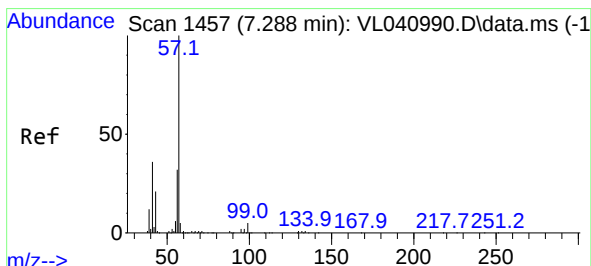
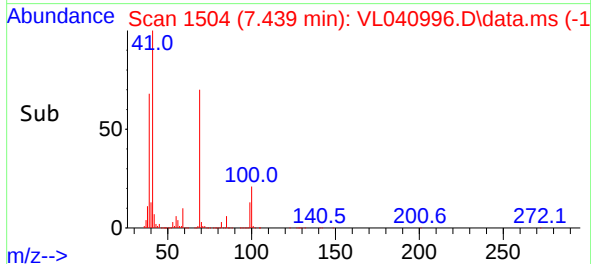
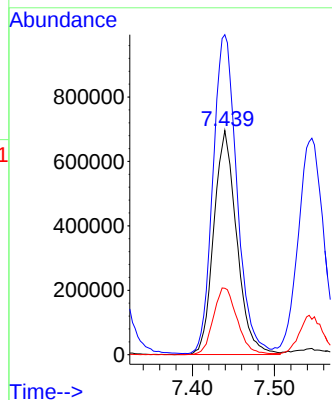
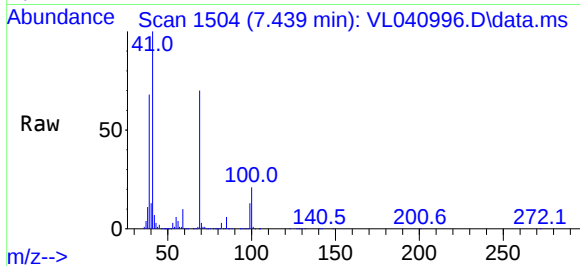




#43  
Methyl Methacrylate  
Concen: 15.733 ppbv  
RT: 7.439 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

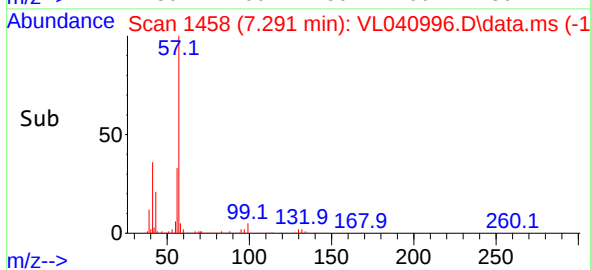
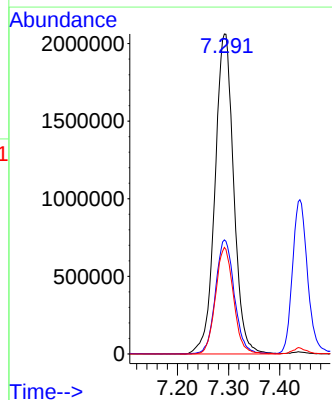
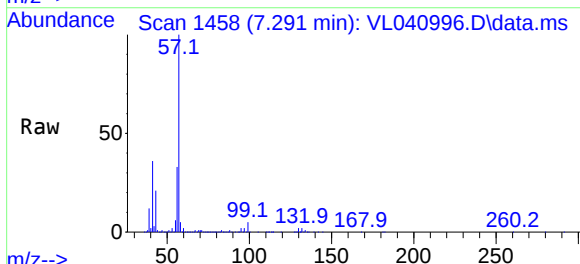
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDICC015

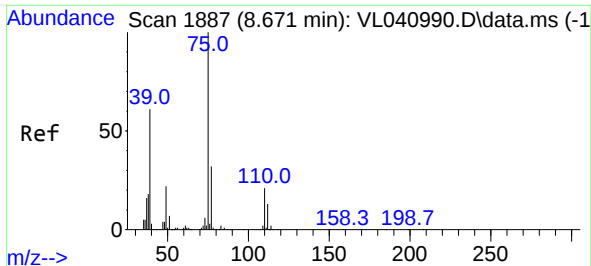
Tgt Ion: 69 Resp: 1355345  
Ion Ratio Lower Upper  
69 100  
41 149.8 120.2 180.2  
100 31.0 24.6 36.8



#44  
2,2,4-Trimethylpentane  
Concen: 13.968 ppbv  
RT: 7.291 min Scan# 1458  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 57 Resp: 5247145  
Ion Ratio Lower Upper  
57 100  
41 35.8 28.6 43.0  
56 32.0 25.2 37.8

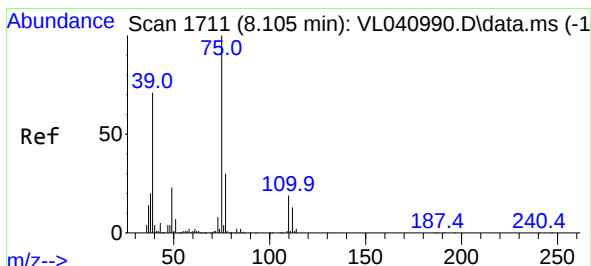
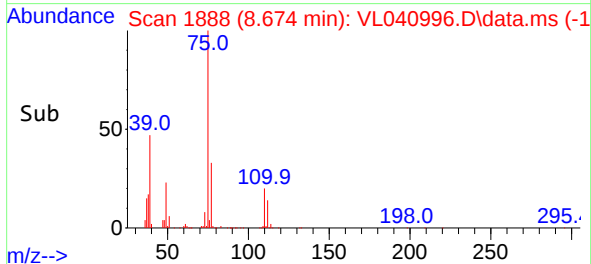
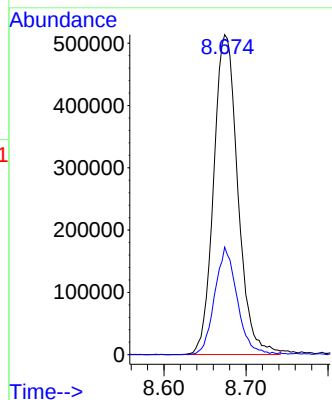
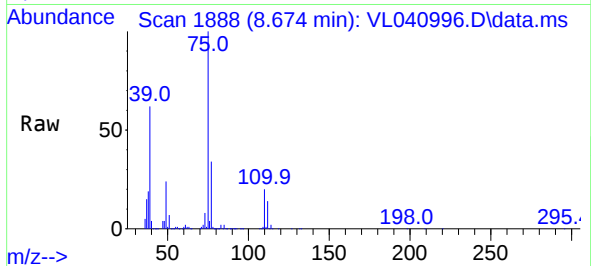




#45  
 t-1,3-Dichloropropene  
 Concen: 17.882 ppbv  
 RT: 8.674 min Scan# 1887  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

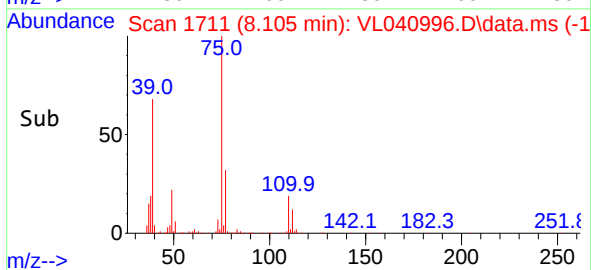
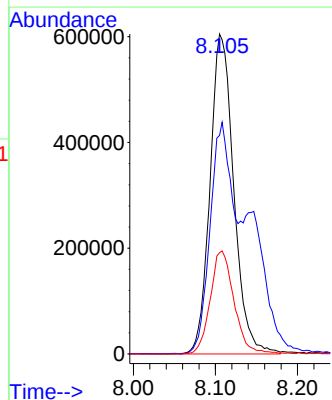
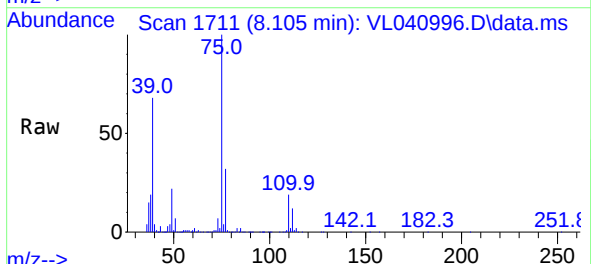
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

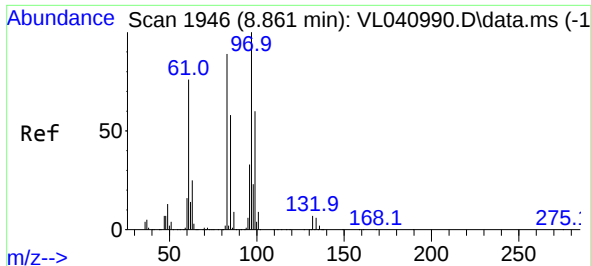
Tgt Ion: 75 Resp: 1052574  
 Ion Ratio Lower Upper  
 75 100  
 77 33.6 25.3 37.9



#46  
 cis-1,3-Dichloropropene  
 Concen: 16.539 ppbv  
 RT: 8.105 min Scan# 1711  
 Delta R.T. 0.000 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Tgt Ion: 75 Resp: 1214116  
 Ion Ratio Lower Upper  
 75 100  
 39 68.2 57.3 85.9  
 77 31.7 24.3 36.5

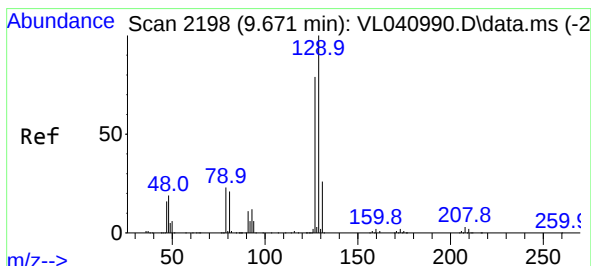
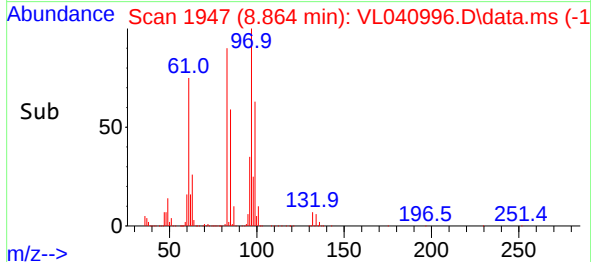
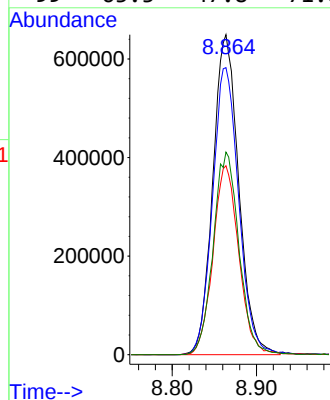
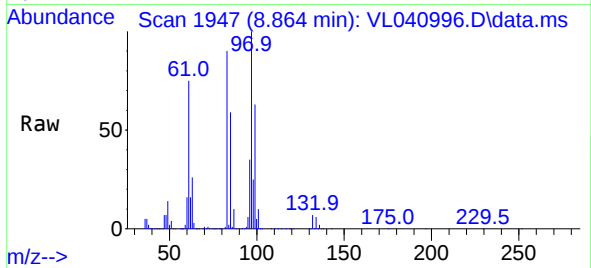




#47  
1,1,2-Trichloroethane  
Concen: 14.595 ppbv  
RT: 8.864 min Scan# 1946  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

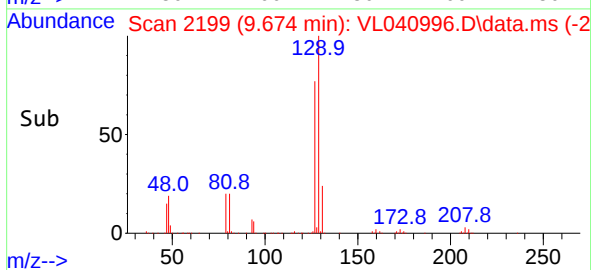
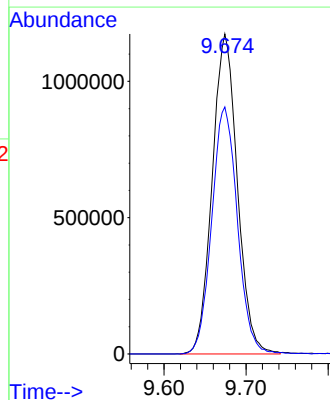
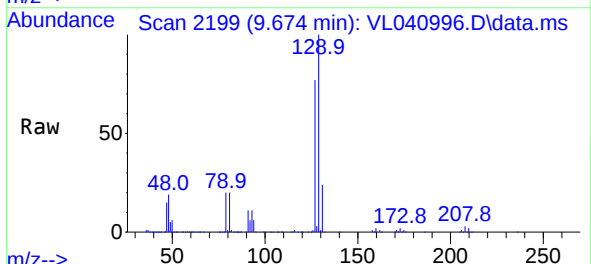
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

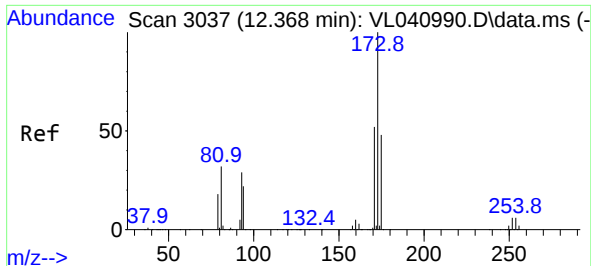
Tgt Ion: 97 Resp: 1383510  
Ion Ratio Lower Upper  
97 100  
83 89.7 71.5 107.3  
85 59.1 46.1 69.1  
99 63.3 47.8 71.8



#48  
Dibromochloromethane  
Concen: 15.609 ppbv  
RT: 9.674 min Scan# 2199  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 129 Resp: 2501695  
Ion Ratio Lower Upper  
129 100  
127 78.8 39.6 119.0

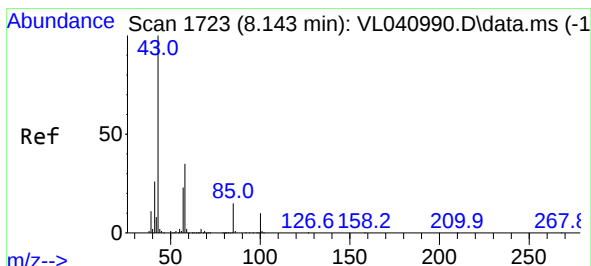
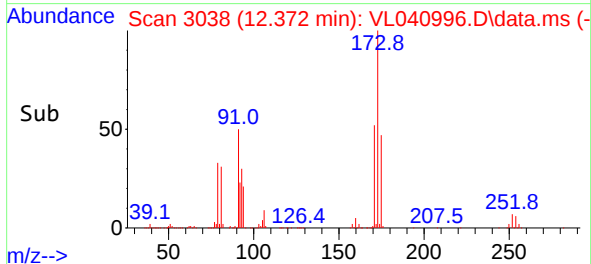
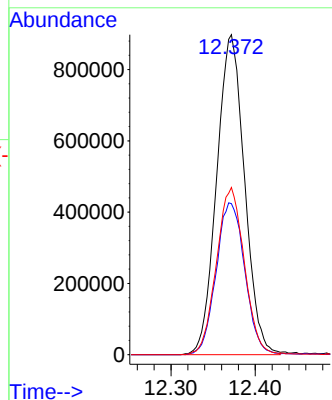
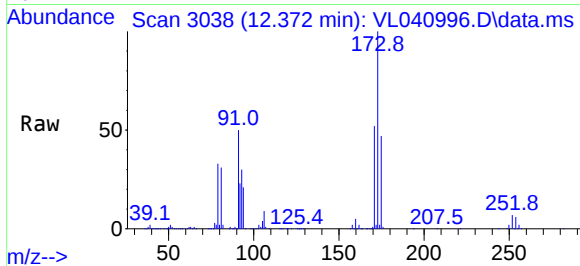




#49  
Bromoform  
Concen: 16.389 ppbv  
RT: 12.372 min Scan# 3037  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

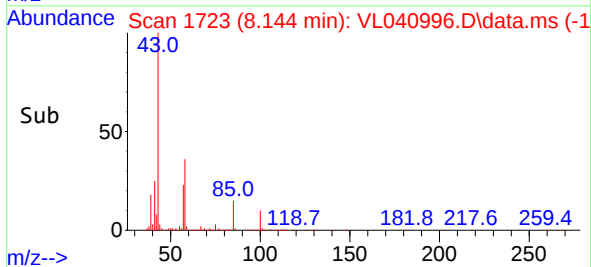
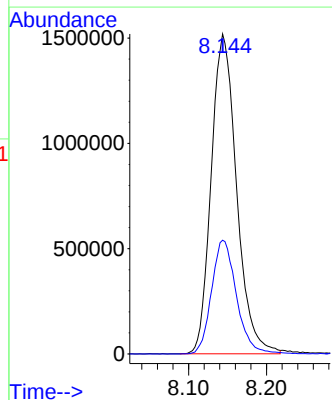
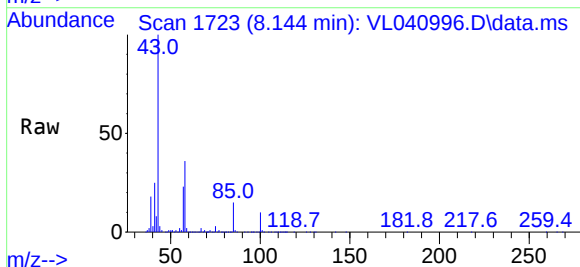
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

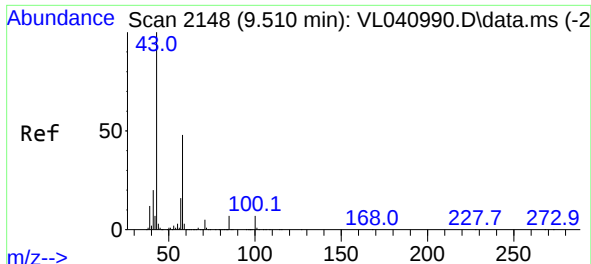
Tgt Ion:173 Resp: 2060306  
Ion Ratio Lower Upper  
173 100  
175 49.2 39.0 58.4  
171 52.4 42.0 63.0



#50  
4-Methyl-2-Pentanone  
Concen: 15.170 ppbv  
RT: 8.144 min Scan# 1723  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 43 Resp: 3440480  
Ion Ratio Lower Upper  
43 100  
58 35.0 27.8 41.8



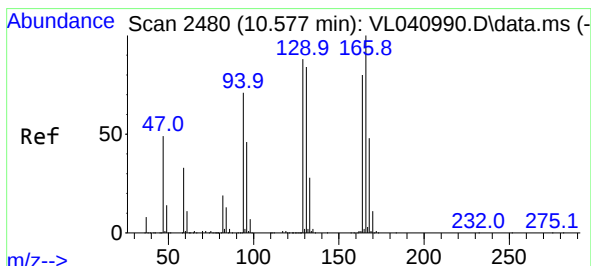
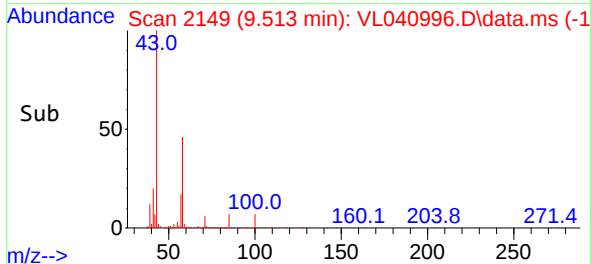
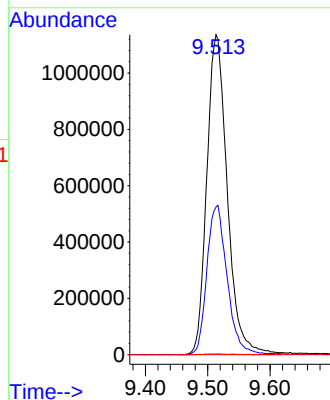
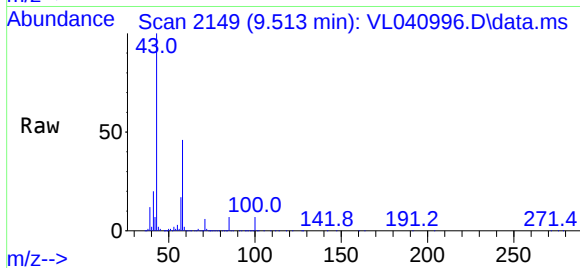


#51  
2-Hexanone  
Concen: 15.847 ppbv  
RT: 9.513 min Scan# 2148  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 43 Resp: 2590613

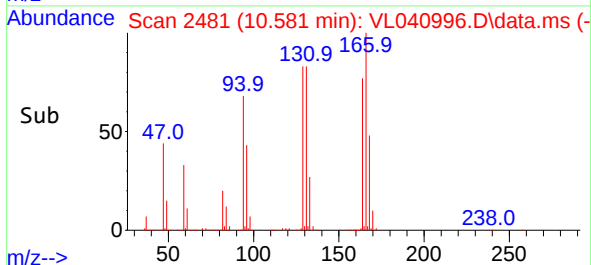
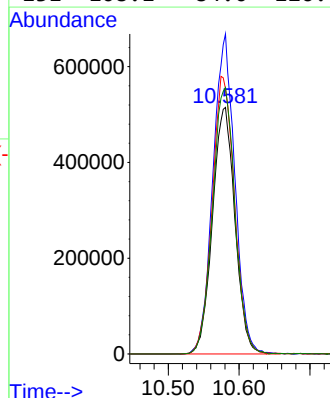
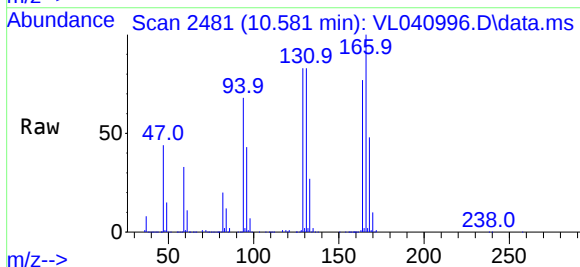
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 46.4  | 36.8  | 55.2  |
| 98  | 0.4   | 0.3   | 0.5   |

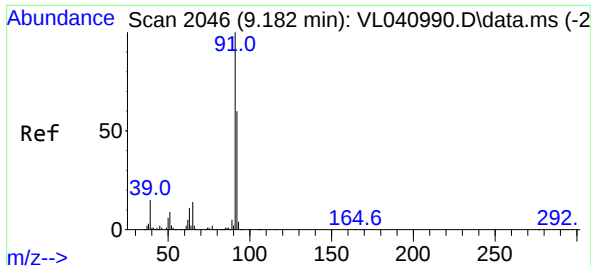


#52  
Tetrachloroethene  
Concen: 15.297 ppbv  
RT: 10.581 min Scan# 2481  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:164 Resp: 1134081

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 166 | 129.9 | 100.2 | 150.2 |
| 129 | 107.6 | 87.9  | 131.9 |
| 131 | 108.1 | 84.0  | 126.0 |

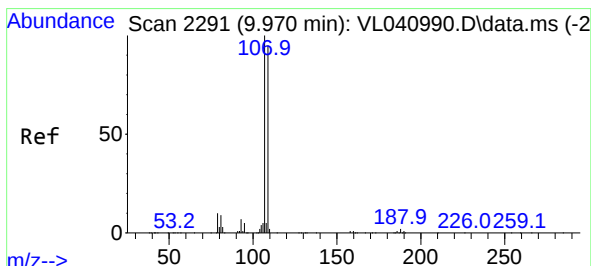
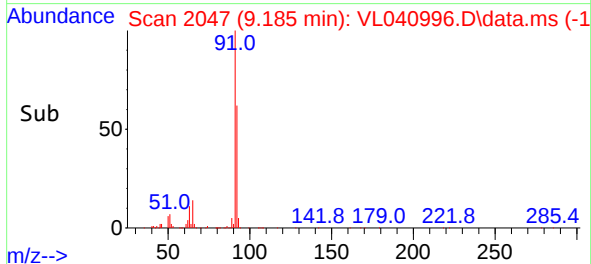
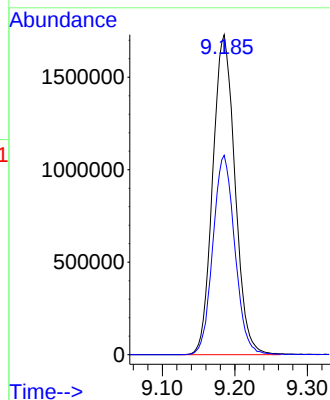
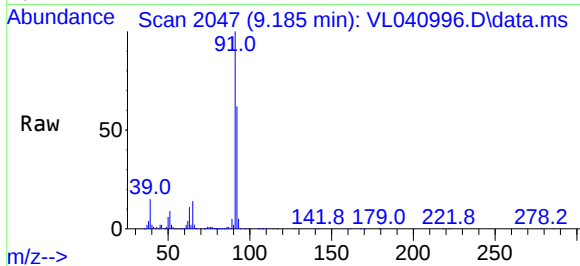




#53  
Toluene  
Concen: 15.065 ppbv  
RT: 9.185 min Scan# 2047  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

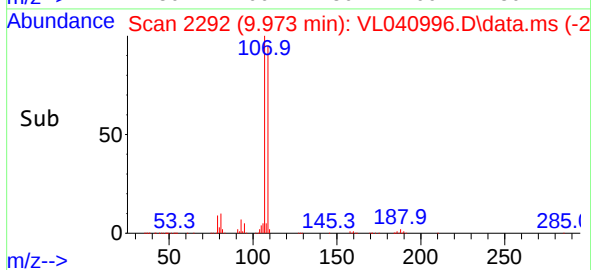
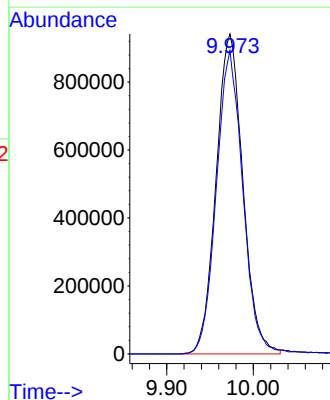
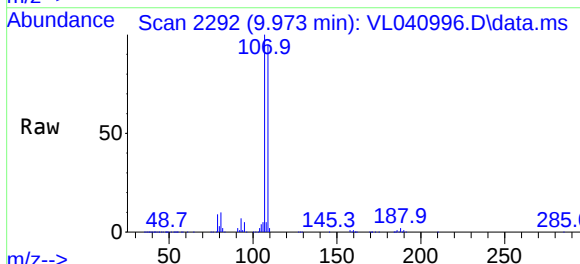
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

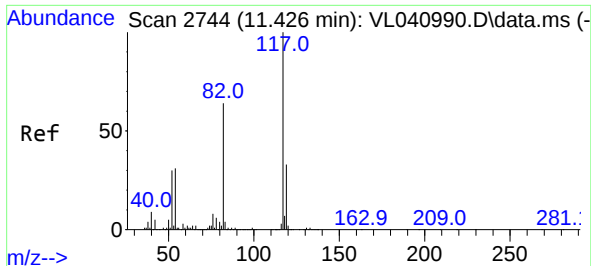
Tgt Ion: 91 Resp: 3684326  
Ion Ratio Lower Upper  
91 100  
92 61.6 48.6 72.8



#54  
1,2-Dibromoethane  
Concen: 15.763 ppbv  
RT: 9.973 min Scan# 2292  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 107 Resp: 2023638  
Ion Ratio Lower Upper  
107 100  
109 94.8 76.1 114.1

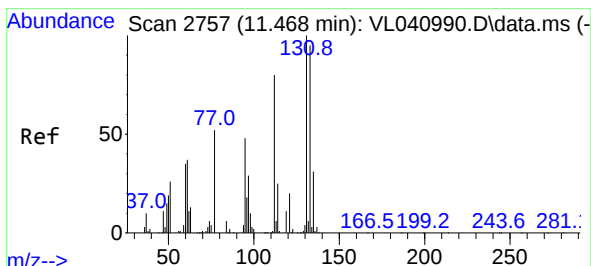
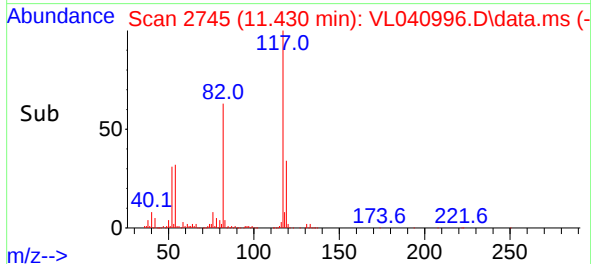
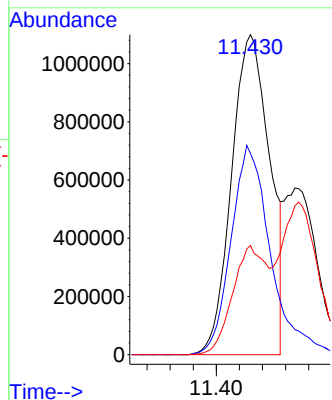
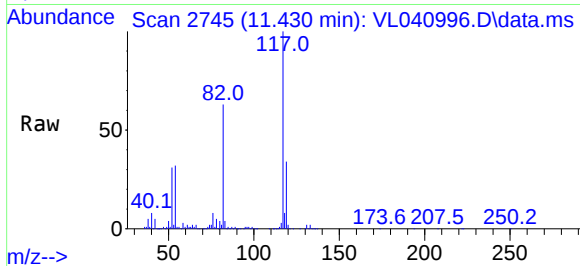




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.430 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

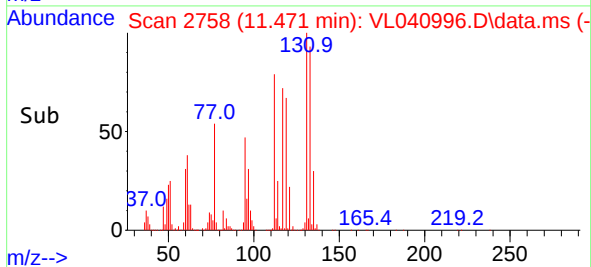
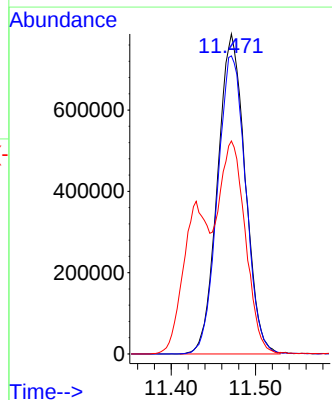
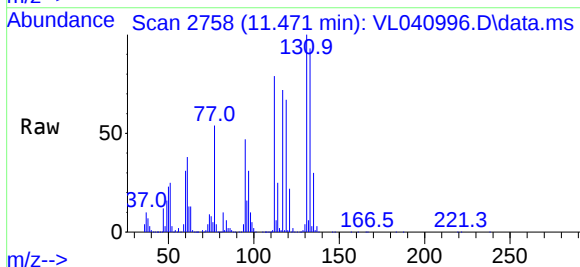
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

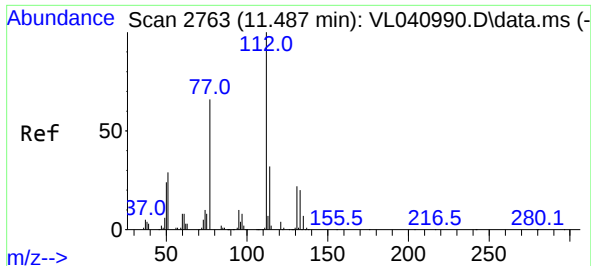
Tgt Ion:117 Resp: 2522973  
Ion Ratio Lower Upper  
117 100  
82 68.0 51.7 77.5  
119 32.1 23.8 35.6



#56  
1,1,1,2-Tetrachloroethane  
Concen: 14.738 ppbv  
RT: 11.471 min Scan# 2758  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:131 Resp: 1784019  
Ion Ratio Lower Upper  
131 100  
133 95.4 75.9 113.9  
119 109.8 49.2 73.8#

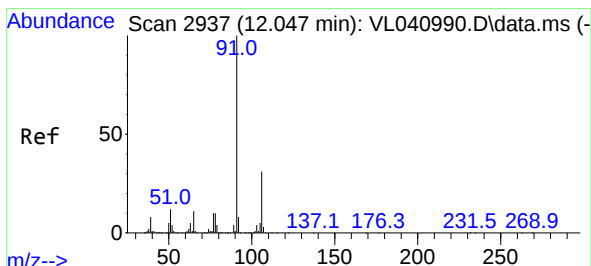
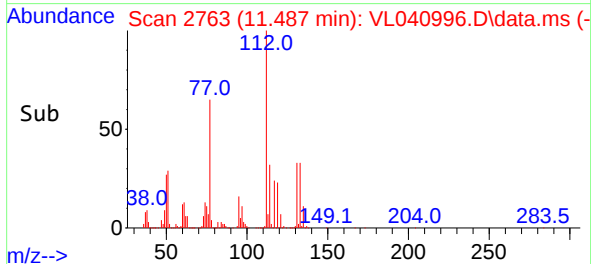
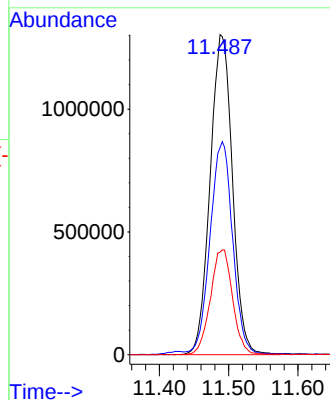
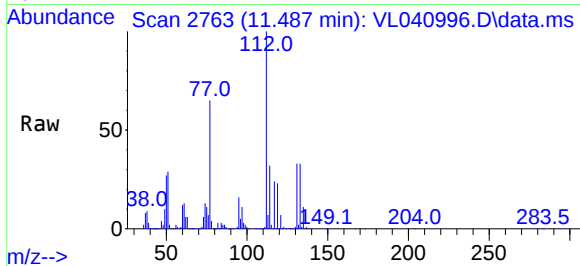




#57  
Chlorobenzene  
Concen: 14.380 ppbv  
RT: 11.487 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

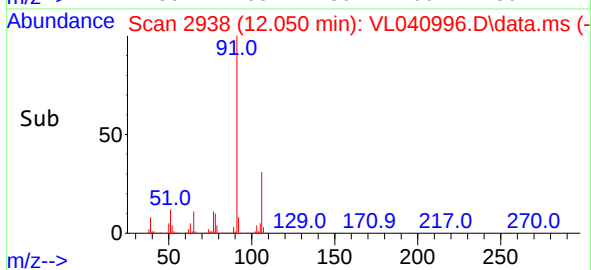
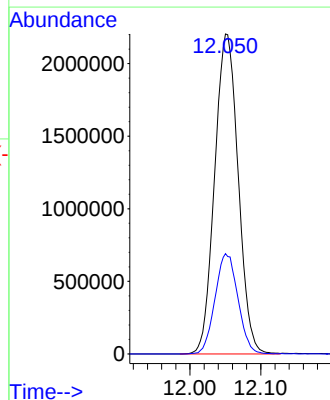
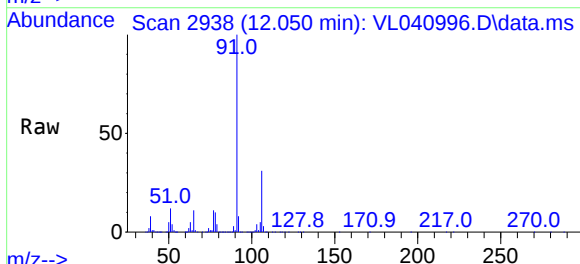
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

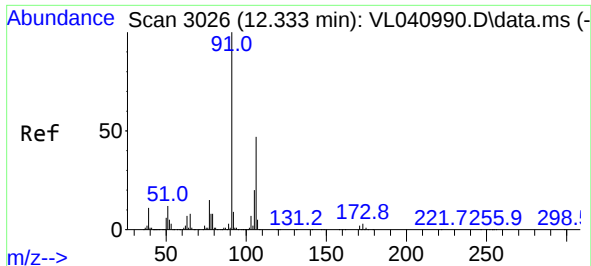
Tgt Ion:112 Resp: 2918322  
Ion Ratio Lower Upper  
112 100  
77 64.4 53.4 80.0  
114 32.0 29.1 35.5



#58  
Ethyl Benzene  
Concen: 15.004 ppbv  
RT: 12.050 min Scan# 2938  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 91 Resp: 5083267  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.8 37.2





#59

m/p-Xylene

Concen: 15.067 ppbv

RT: 12.333 min Scan# 3026

Delta R.T. 0.000 min

Lab File: VL040996.D

Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

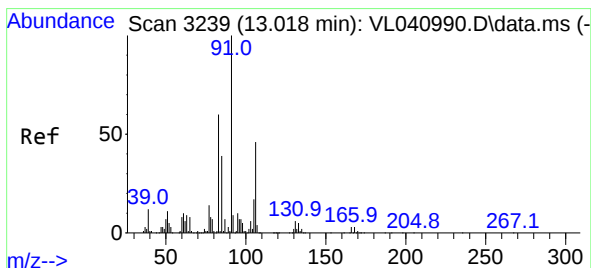
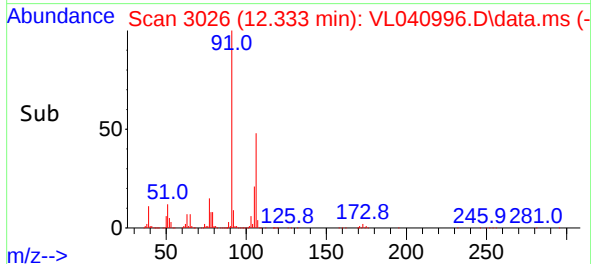
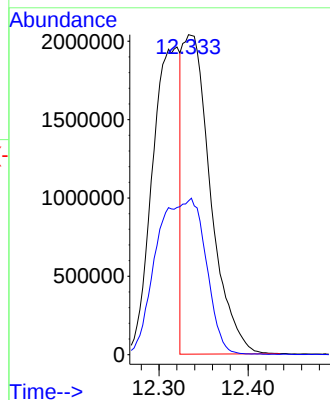
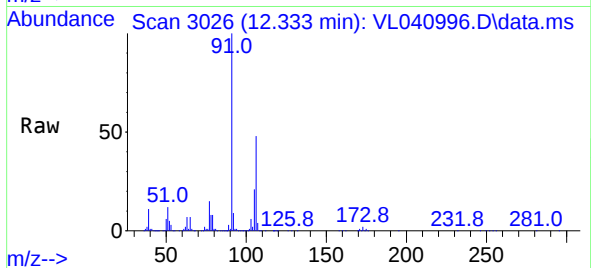
VSTDIC015

Tgt Ion: 91 Resp: 4450588

Ion Ratio Lower Upper

91 100

106 86.5 34.9 52.3#



#60

o-Xylene

Concen: 14.653 ppbv

RT: 13.024 min Scan# 3241

Delta R.T. 0.006 min

Lab File: VL040996.D

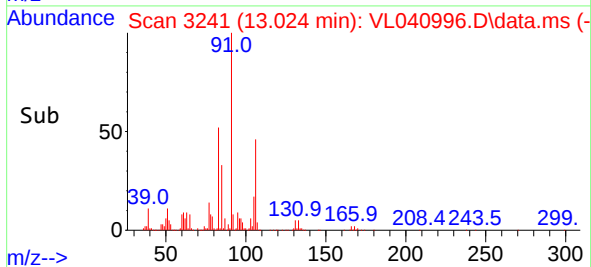
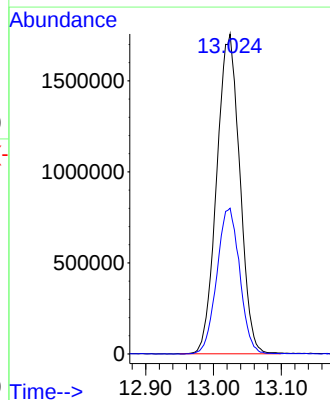
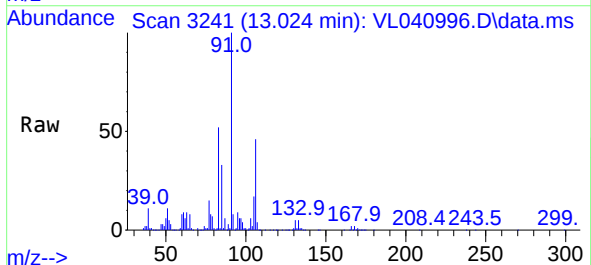
Acq: 23 Jan 2024 13:34

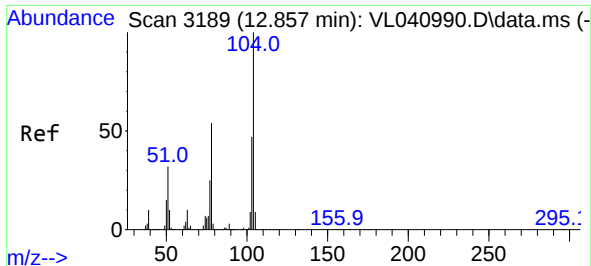
Tgt Ion: 91 Resp: 4152856

Ion Ratio Lower Upper

91 100

106 45.4 22.6 67.7

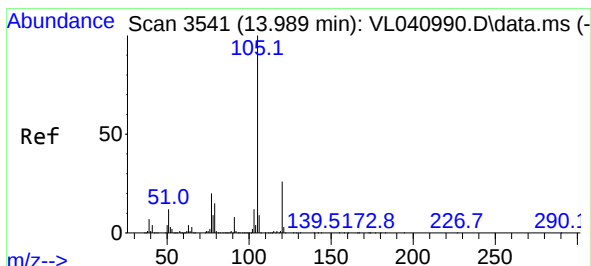
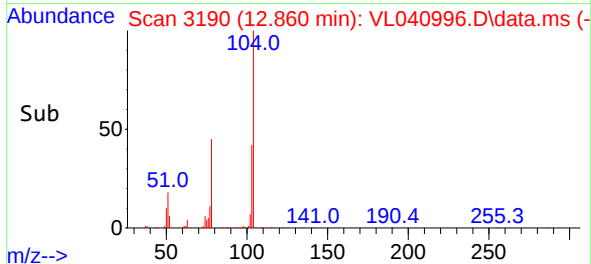
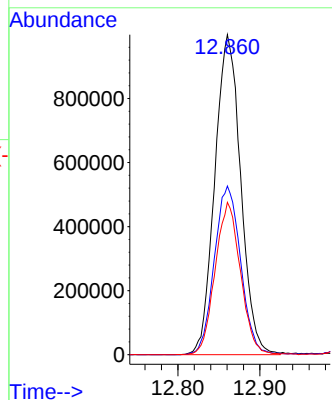
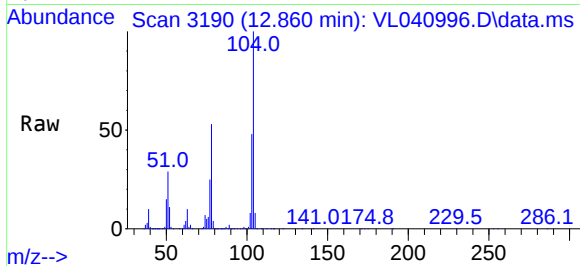




#61  
Styrene  
Concen: 16.861 ppbv  
RT: 12.860 min Scan# 3189  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

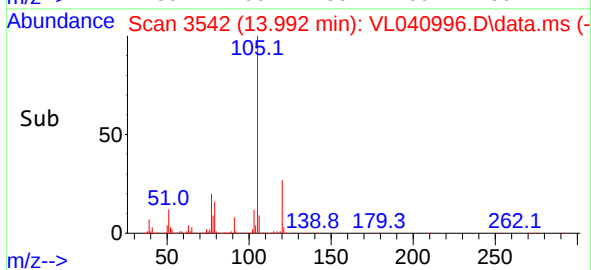
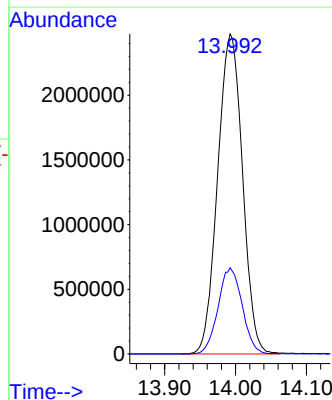
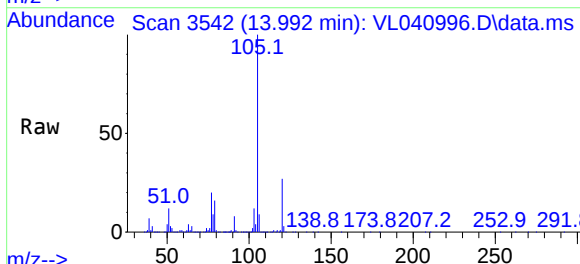
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MSVOA\_L  
ClientSampleId :  
VSTDIC015

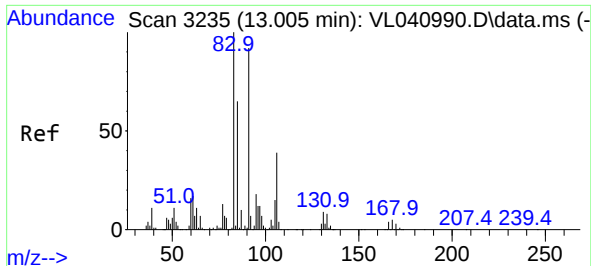
Tgt Ion:104 Resp: 2194225  
Ion Ratio Lower Upper  
104 100  
78 53.8 42.7 64.1  
103 46.7 37.6 56.4



#62  
Isopropylbenzene  
Concen: 14.370 ppbv  
RT: 13.992 min Scan# 3542  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:105 Resp: 6022856  
Ion Ratio Lower Upper  
105 100  
120 26.2 20.9 31.3

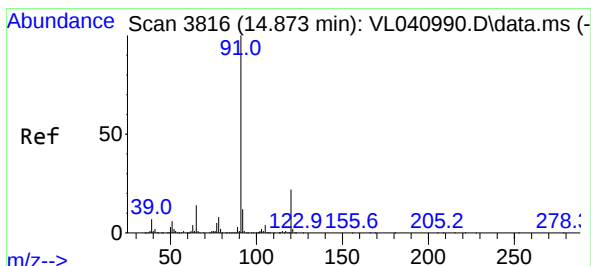
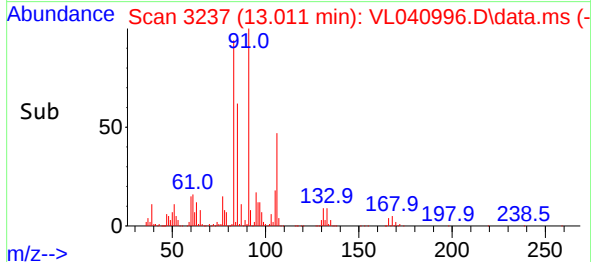
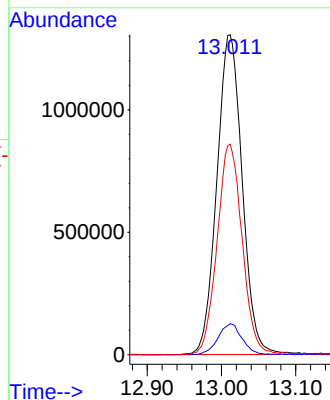
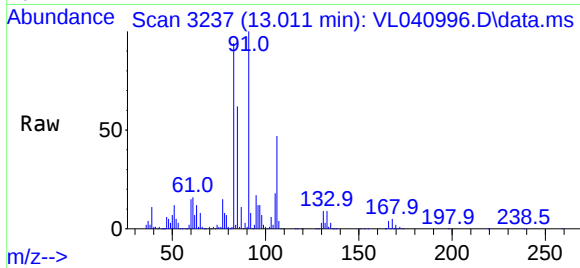




#63  
1,1,2,2-Tetrachloroethane  
Concen: 14.043 ppbv  
RT: 13.011 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

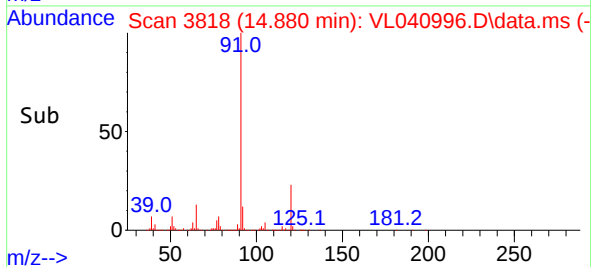
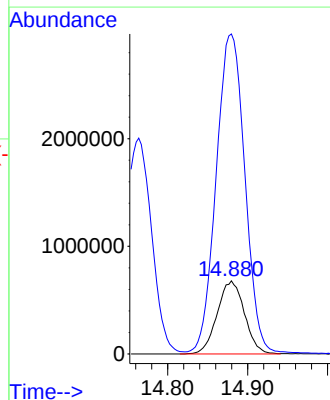
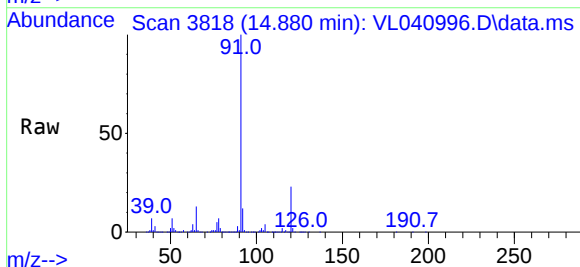
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MSVOA\_L  
ClientSampleId :  
VSTDIC015

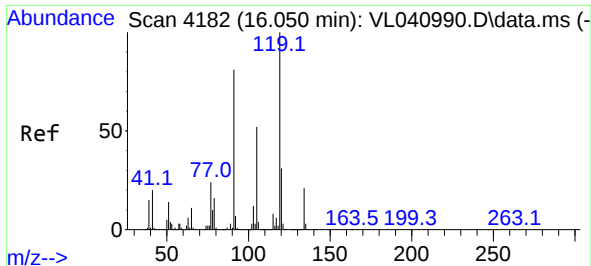
Tgt Ion: 83 Resp: 3093041  
Ion Ratio Lower Upper  
83 100  
131 9.2 4.6 13.8  
85 65.6 33.0 99.0



#64  
n-propylbenzene  
Concen: 15.152 ppbv  
RT: 14.880 min Scan# 3818  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:120 Resp: 1604443  
Ion Ratio Lower Upper  
120 100  
91 464.9 390.6 585.8

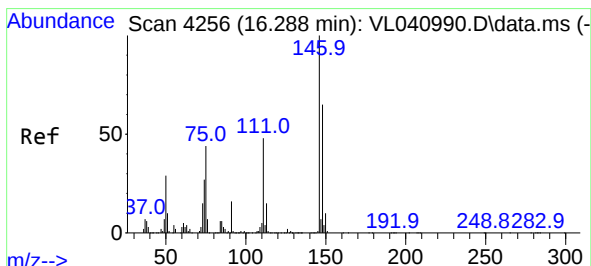
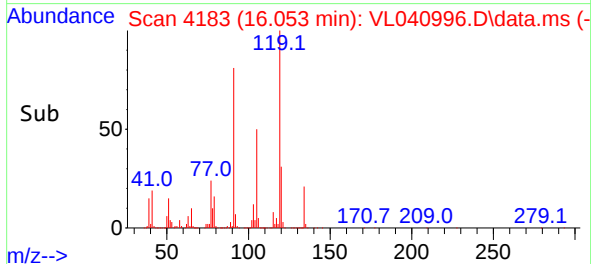
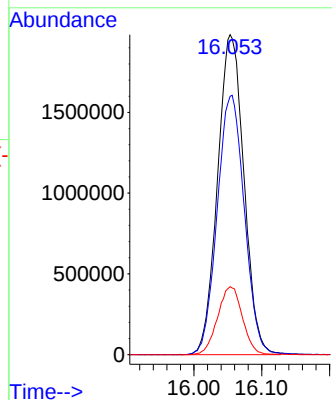
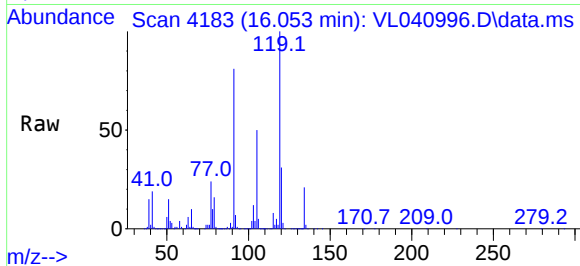




#65  
tert-Butylbenzene  
Concen: 14.618 ppbv  
RT: 16.053 min Scan# 4182  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

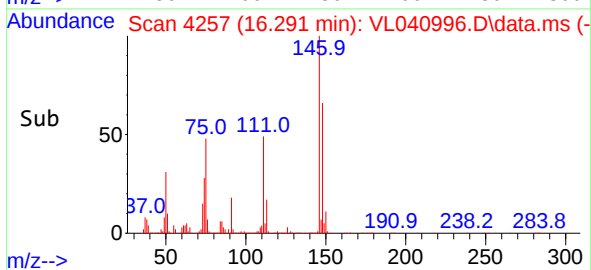
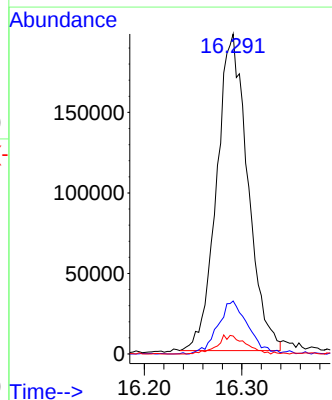
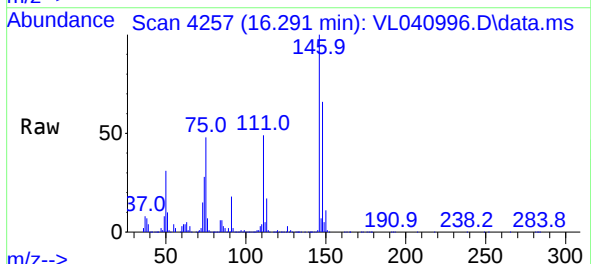
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MSVOA\_1  
ClientSampleId :  
VSTDIC015

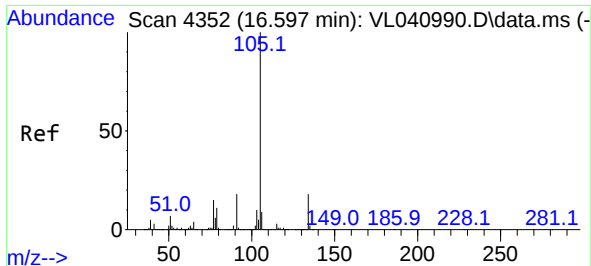
Tgt Ion:119 Resp: 5353237  
Ion Ratio Lower Upper  
119 100  
91 83.5 67.6 101.4  
134 20.1 16.1 24.1



#66  
Benzyl Chloride  
Concen: 18.168 ppbv  
RT: 16.291 min Scan# 4257  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 91 Resp: 435979  
Ion Ratio Lower Upper  
91 100  
126 16.6 13.6 20.4  
128 5.7 4.2 6.2

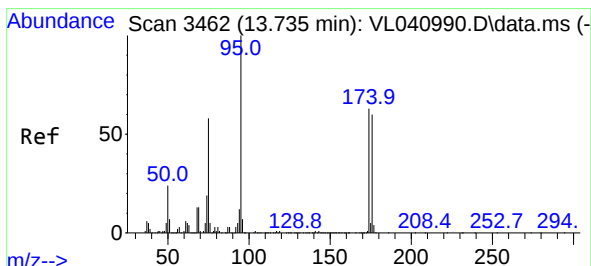
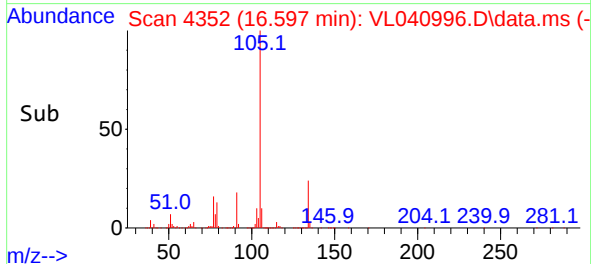
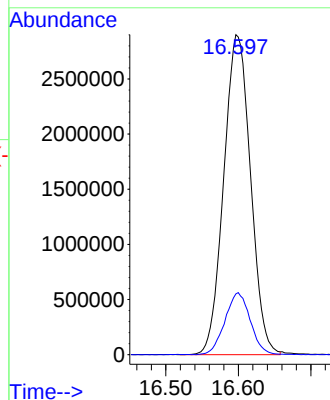
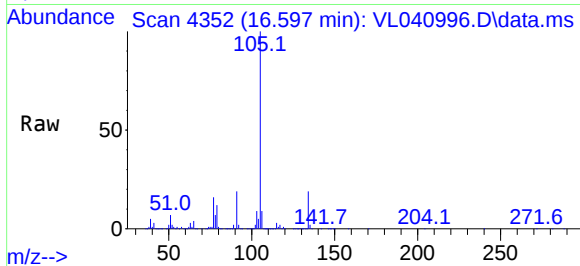




#67  
 sec-Butylbenzene  
 Concen: 13.956 ppbv  
 RT: 16.597 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

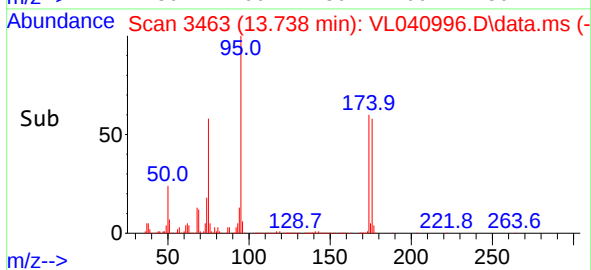
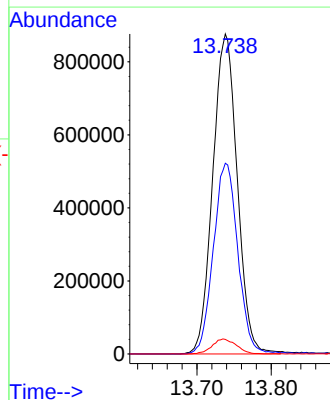
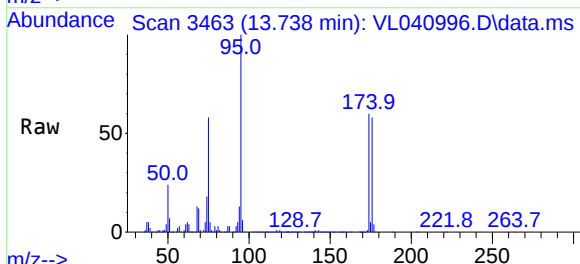
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

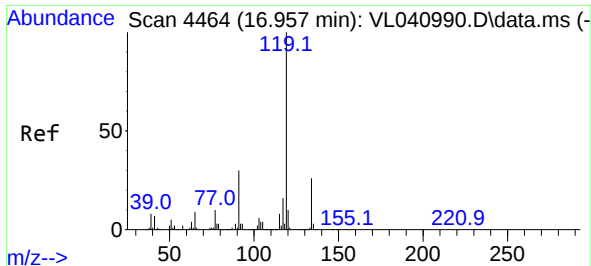
Tgt Ion:105 Resp: 7441656  
 Ion Ratio Lower Upper  
 105 100  
 134 18.4 14.2 21.4



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 10.534 ppbv  
 RT: 13.738 min Scan# 3463  
 Delta R.T. 0.003 min  
 Lab File: VL040996.D  
 Acq: 23 Jan 2024 13:34

Tgt Ion: 95 Resp: 2007428  
 Ion Ratio Lower Upper  
 95 100  
 174 60.2 49.1 73.7  
 175 4.7 3.7 5.5

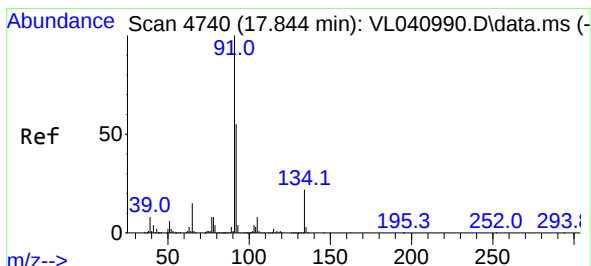
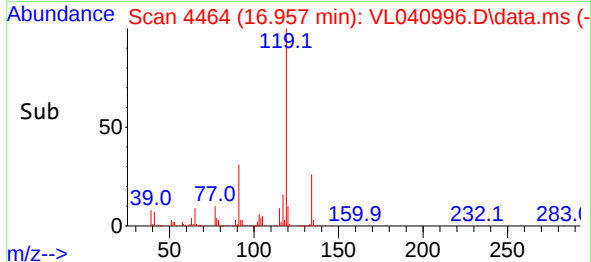
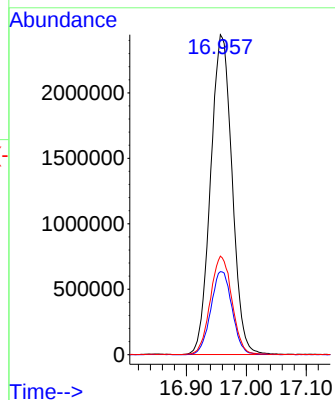
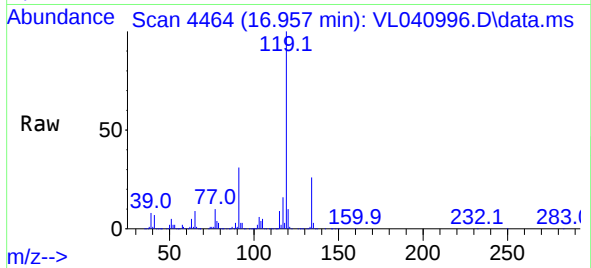




#69  
p-Isopropyltoluene  
Concen: 14.699 ppbv  
RT: 16.957 min Scan# 4464  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

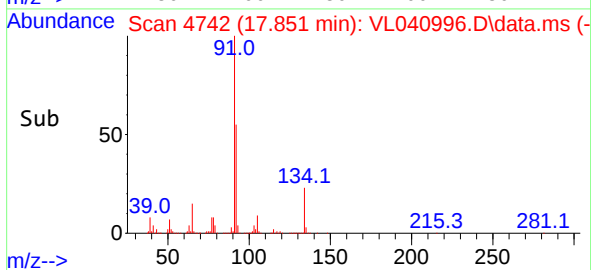
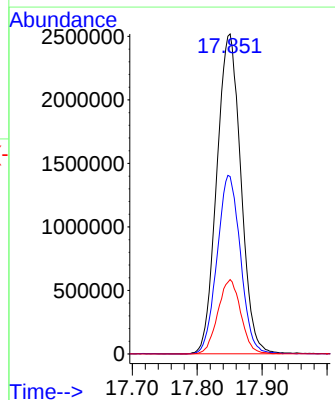
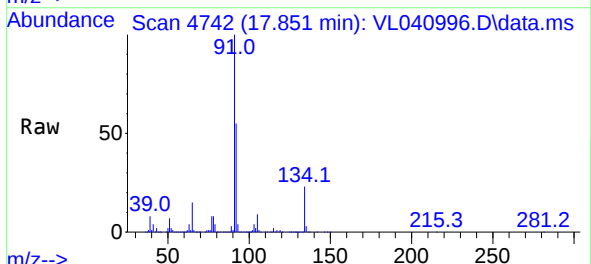
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MSVOA\_L  
ClientSampleId :  
VSTDIC015

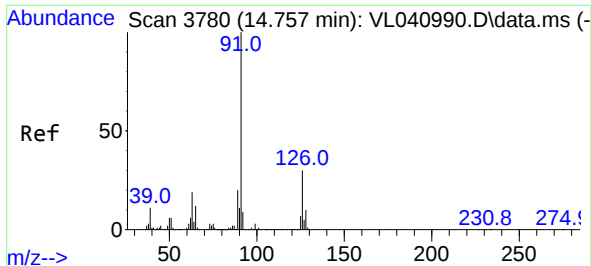
Tgt Ion:119 Resp: 6071083  
Ion Ratio Lower Upper  
119 100  
134 25.9 20.6 30.8  
91 31.0 24.5 36.7



#70  
n-Butylbenzene  
Concen: 14.497 ppbv  
RT: 17.851 min Scan# 4742  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion: 91 Resp: 6470351  
Ion Ratio Lower Upper  
91 100  
92 54.4 43.4 65.0  
134 22.2 17.4 26.0

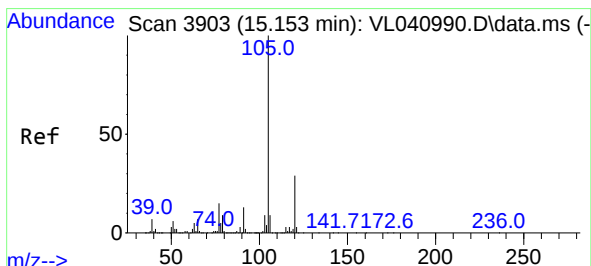
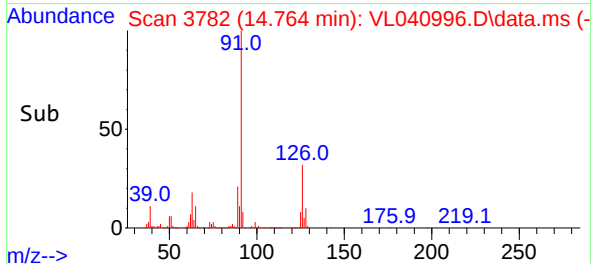
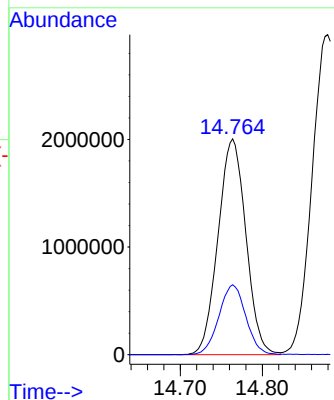
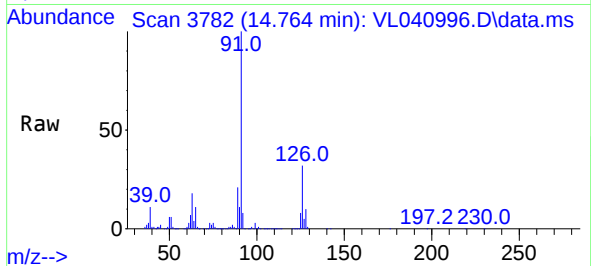




#71  
2-Chlorotoluene  
Concen: 14.633 ppbv  
RT: 14.764 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

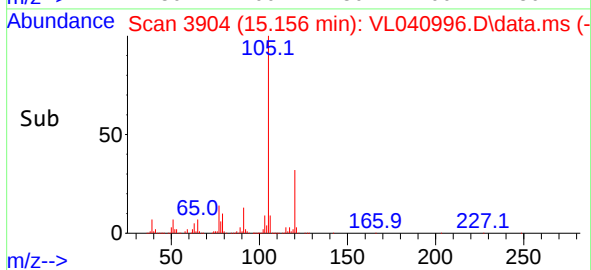
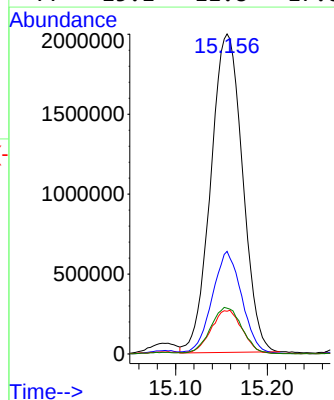
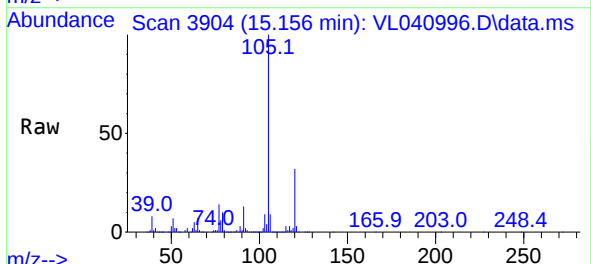
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ClientSampleId :  
VSTDICC015

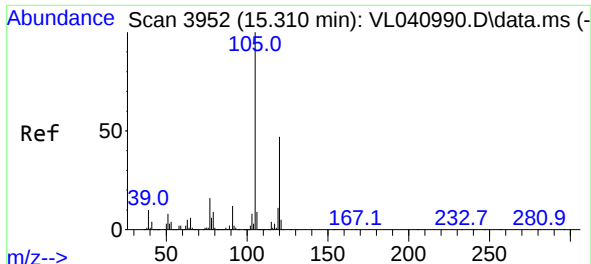
Tgt Ion: 91 Resp: 4732244  
Ion Ratio Lower Upper  
91 100  
126 31.6 12.3 49.1



#72  
4-Ethyltoluene  
Concen: 15.159 ppbv  
RT: 15.156 min Scan# 3904  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:105 Resp: 4798358  
Ion Ratio Lower Upper  
105 100  
120 30.3 24.3 36.5  
91 14.4 11.0 16.4  
77 15.1 11.8 17.8

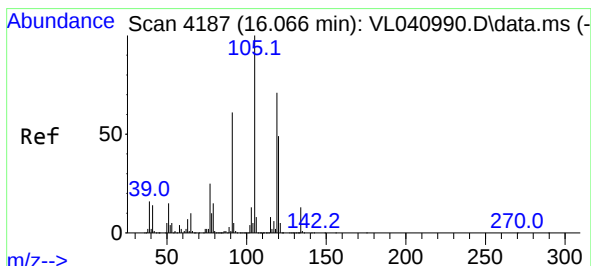
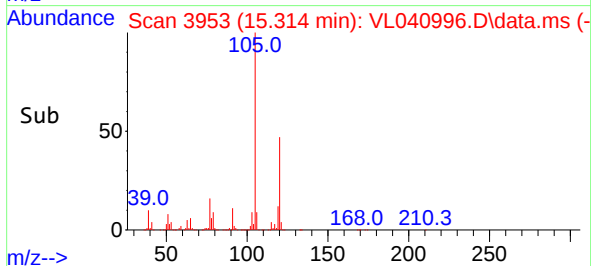
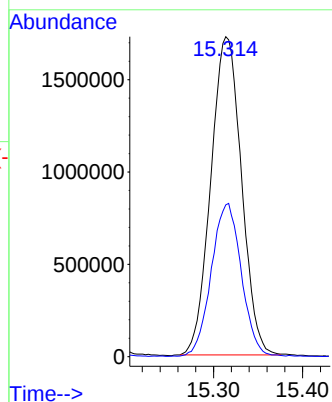
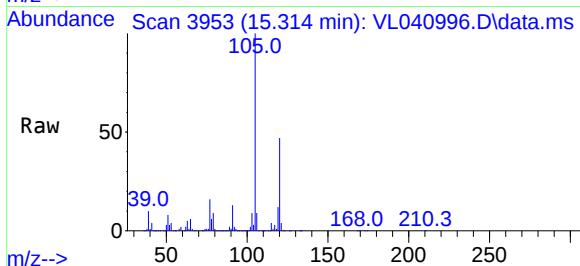




#73  
1,3,5-Trimethylbenzene  
Concen: 14.667 ppbv  
RT: 15.314 min Scan# 3952  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

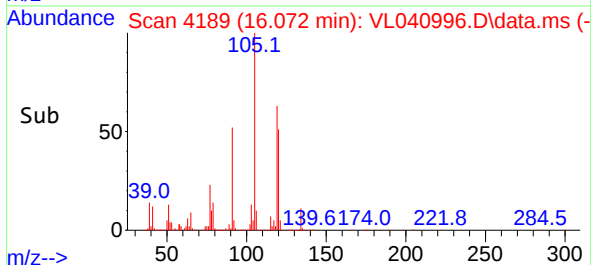
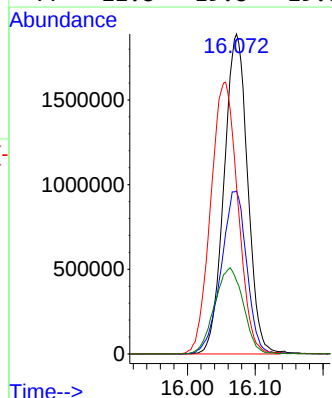
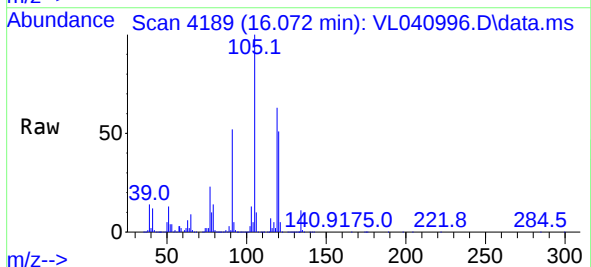
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MSVOA\_L  
ClientSampleId :  
VSTDICC015

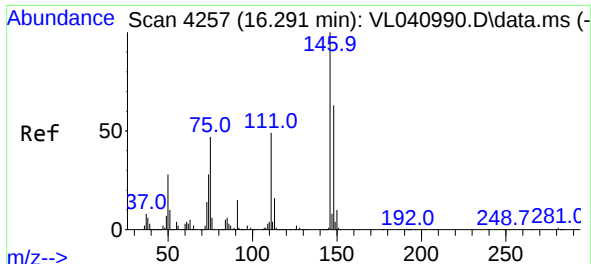
Tgt Ion:105 Resp: 4120108  
Ion Ratio Lower Upper  
105 100  
120 47.5 37.2 55.8



#74  
1,2,4-Trimethylbenzene  
Concen: 14.327 ppbv  
RT: 16.072 min Scan# 4189  
Delta R.T. 0.006 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:105 Resp: 4562526  
Ion Ratio Lower Upper  
105 100  
120 50.9 39.3 58.9  
91 52.3 48.7 73.1  
77 22.8 19.8 29.8

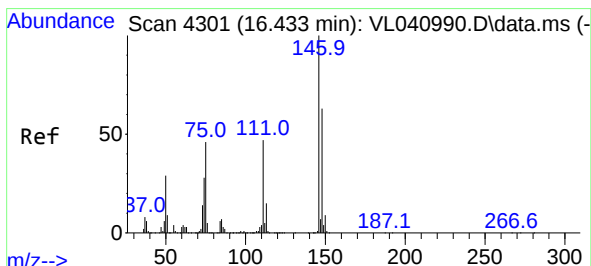
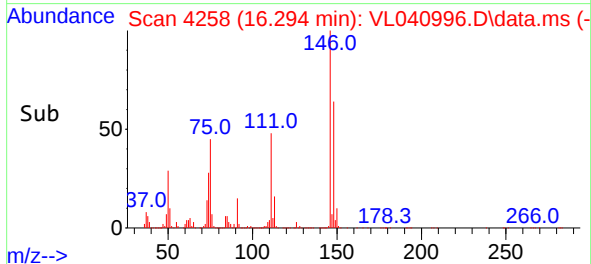
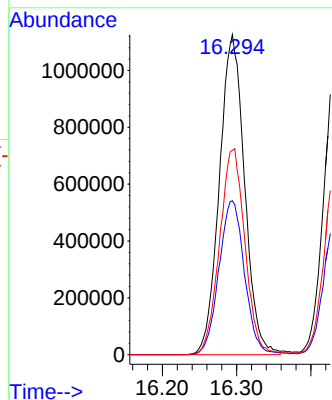
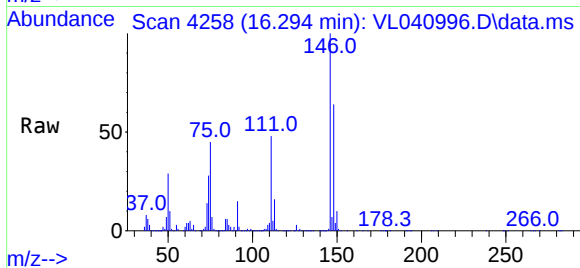




#75  
1,3-Dichlorobenzene  
Concen: 14.622 ppbv  
RT: 16.294 min Scan# 4257  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

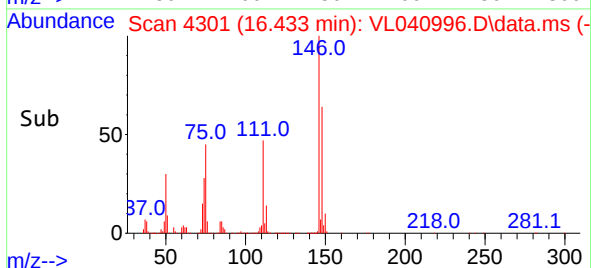
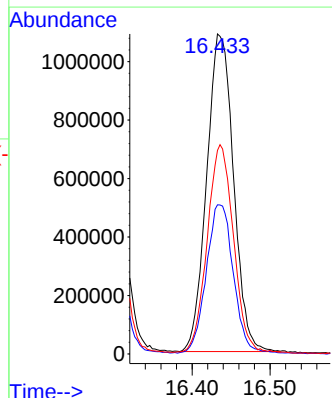
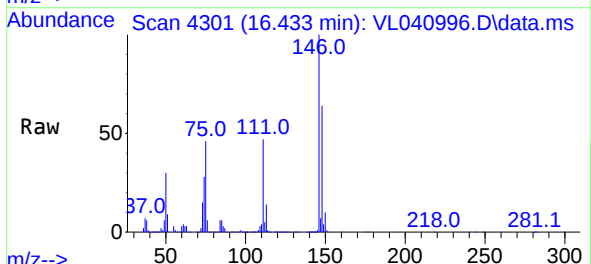
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

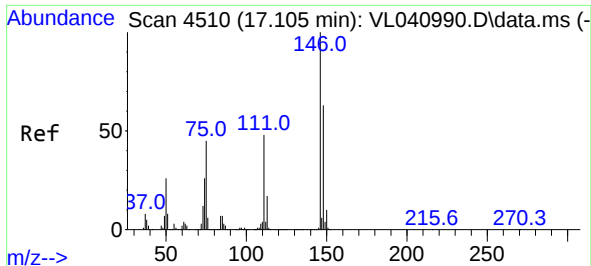
Tgt Ion:146 Resp: 2650072  
Ion Ratio Lower Upper  
146 100  
111 49.0 24.4 73.2  
148 65.1 32.5 97.4



#76  
1,4-Dichlorobenzene  
Concen: 14.537 ppbv  
RT: 16.433 min Scan# 4301  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:146 Resp: 2599656  
Ion Ratio Lower Upper  
146 100  
111 47.9 24.0 72.0  
148 65.8 32.9 98.7

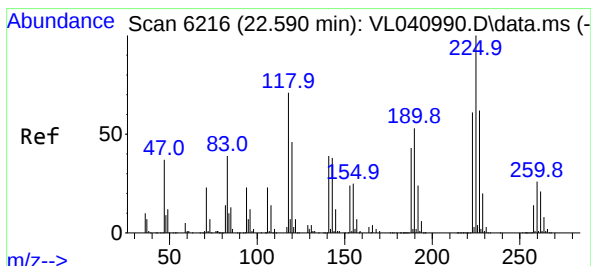
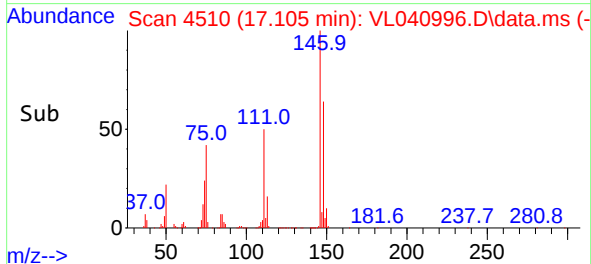
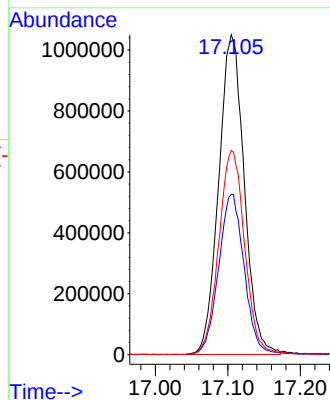
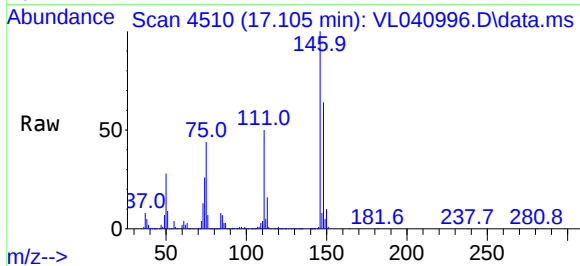




#77  
1,2-Dichlorobenzene  
Concen: 14.216 ppbv  
RT: 17.105 min Scan# 4510  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

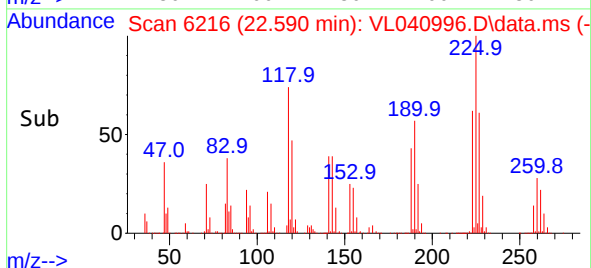
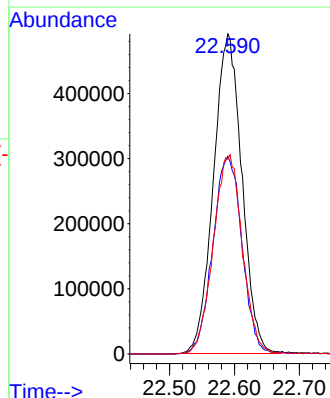
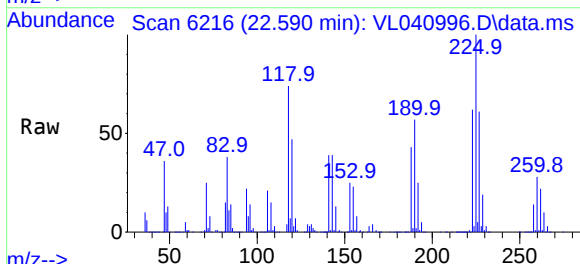
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MSVOA\_L  
ClientSampleId :  
VSTDIC015

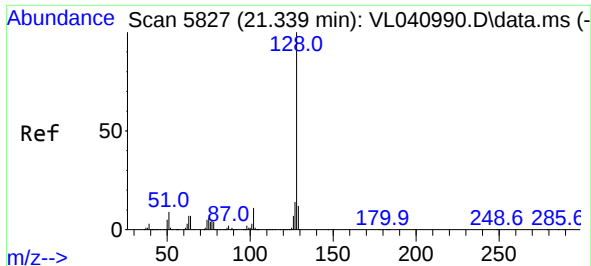
Tgt Ion:146 Resp: 2560891  
Ion Ratio Lower Upper  
146 100  
111 50.7 24.8 74.3  
148 65.1 31.8 95.3



#78  
Hexachloro-1,3-Butadiene  
Concen: 12.814 ppbv  
RT: 22.590 min Scan# 6216  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:225 Resp: 1488542  
Ion Ratio Lower Upper  
225 100  
223 63.6 51.1 76.7  
227 64.0 51.0 76.4

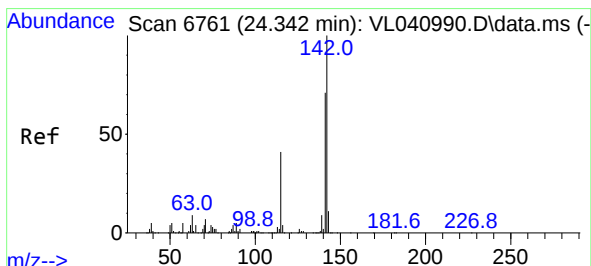
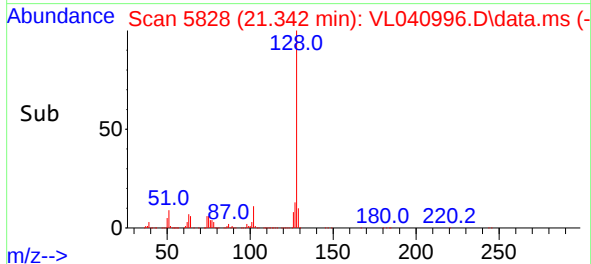
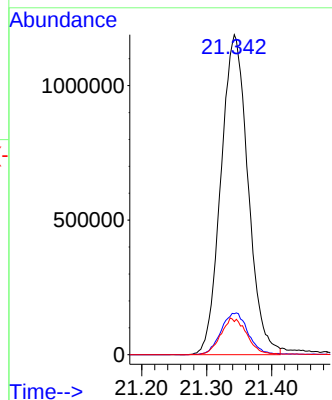
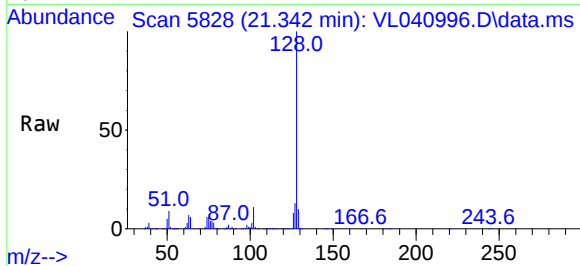




#79  
Naphthalene  
Concen: 18.948 ppbv  
RT: 21.342 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

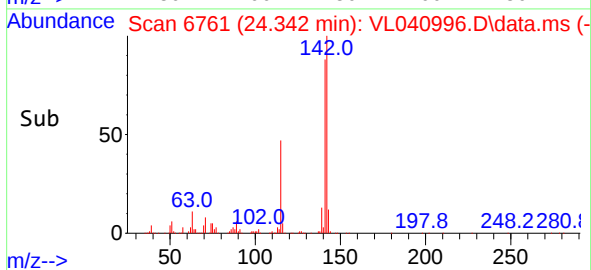
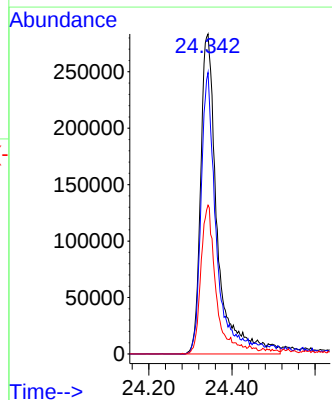
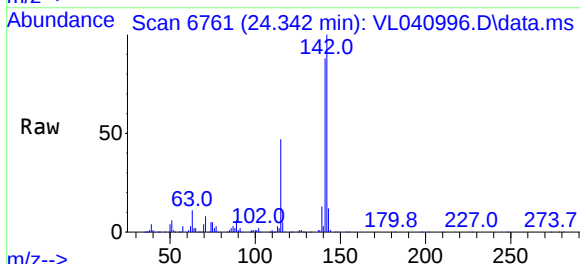
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

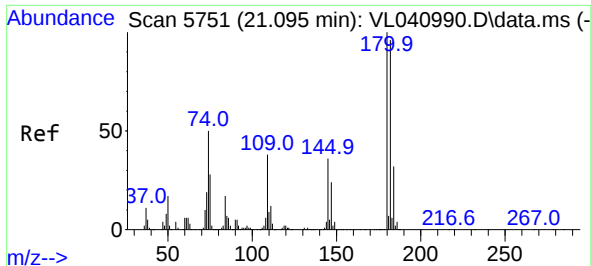
Tgt Ion:128 Resp: 3442251  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.9 16.3  
129 10.3 9.3 13.9



#80  
Naphthalene,2-methyl-  
Concen: 24.852 ppbv  
RT: 24.342 min Scan# 6761  
Delta R.T. 0.000 min  
Lab File: VL040996.D  
Acq: 23 Jan 2024 13:34

Tgt Ion:142 Resp: 792929  
Ion Ratio Lower Upper  
142 100  
141 84.8 62.7 94.1  
115 44.5 34.0 51.0





#81

1,2,4-Trichlorobenzene

Concen: 15.793 ppbv

RT: 21.101 min Scan# 51

Delta R.T. 0.006 min

Lab File: VL040996.D

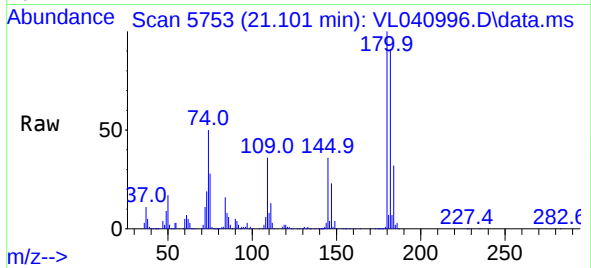
Acq: 23 Jan 2024 13:34

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 1673904

Ion Ratio Lower Upper

180 100

182 96.5 78.6 118.0

184 31.0 24.4 36.6

