

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL022123\  
 Data File : VL040192.D  
 Acq On : 21 Feb 2023 12:09  
 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Feb 22 03:11:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Feb 15 17:01:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 5.205  | 49    | 923466   | 10.000   | ppbv   | 0.03     |
| 33) 1,4-Difluorobenzene       | 6.674  | 114   | 2482522  | 10.000   | ppbv   | 0.03     |
| 55) Chlorobenzene-d5          | 11.494 | 117   | 2895098  | 10.000   | ppbv   | # 0.03   |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 13.806 | 95    | 1729802  | 7.266    | ppbv   | 0.03     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 72.700%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.729  | 85    | 1696722  | 9.858    | ppbv   | 100      |
| 3) Chlorodifluoromethane      | 2.674  | 51    | 1081334  | 9.802    | ppbv   | 98       |
| 4) Chloromethane              | 2.813  | 50    | 713917   | 10.303   | ppbv   | 95       |
| 5) Vinyl Chloride             | 2.922  | 62    | 608268   | 10.924   | ppbv   | 98       |
| 6) Bromomethane               | 3.124  | 94    | 185591   | 9.234    | ppbv   | 94       |
| 7) Chloroethane               | 3.198  | 64    | 227311   | 10.294   | ppbv   | 99       |
| 8) Dichlorotetrafluoroethane  | 2.858  | 85    | 1430991  | 9.649    | ppbv   | 98       |
| 9) Propene                    | 2.694  | 41    | 502400   | 11.173   | ppbv   | 99       |
| 10) Heptane                   | 7.603  | 43    | 1229618  | 11.489   | ppbv   | 99       |
| 11) Trichlorofluoromethane    | 3.568  | 101   | 1388089  | 8.989    | ppbv   | 99       |
| 12) 1,1,2-Trichlorotrifluo... | 4.073  | 101   | 1063832  | 9.338    | ppbv   | 98       |
| 13) Ethanol                   | 3.250  | 45    | 24483    | 5.914    | ppbv   | 87       |
| 14) Bromoethene               | 3.369  | 108   | 442829   | 10.136   | ppbv   | 98       |
| 15) Acetone                   | 3.472  | 43    | 1014822  | 9.128    | ppbv   | 100      |
| 16) 1,3-Butadiene             | 2.986  | 39    | 553261   | 10.897   | ppbv   | 98       |
| 17) tert-Butyl alcohol        | 3.886  | 59    | 1104058  | 10.889   | ppbv   | 99       |
| 18) 1,1-Dichloroethene        | 3.886  | 96    | 466816   | 9.430    | ppbv   | 94       |
| 19) Isopropyl Alcohol         | 3.581  | 45    | 501354   | 9.486    | ppbv   | 99       |
| 20) Methylene Chloride        | 3.938  | 84    | 415939   | 7.187    | ppbv   | 93       |
| 21) Allyl Chloride            | 4.002  | 41    | 768036   | 11.263   | ppbv   | 97       |
| 22) trans-1,2-Dichloroethene  | 4.456  | 96    | 498214   | 9.720    | ppbv   | 97       |
| 23) Vinyl Acetate             | 4.639  | 43    | 361605   | 10.717   | ppbv   | # 98     |
| 24) 1,1-Dichloroethane        | 4.574  | 63    | 1047639  | 9.933    | ppbv   | 99       |
| 25) Ethyl Acetate             | 5.218  | 43    | 2209836  | 10.692   | ppbv   | 100      |
| 26) Hexane                    | 5.224  | 57    | 937151   | 10.562   | ppbv   | 99       |
| 27) Carbon Disulfide          | 4.131  | 76    | 1275298  | 11.327   | ppbv   | 98       |
| 28) Methyl tert-Butyl Ether   | 4.597  | 73    | 1007171  | 10.594   | ppbv   | 100      |
| 29) Chloroform                | 5.288  | 83    | 1471556  | 9.659    | ppbv   | 99       |
| 30) Cyclohexane               | 6.623  | 84    | 833162   | 11.959   | ppbv   | 97       |
| 31) cis-1,2-Dichloroethene    | 5.092  | 61    | 923942   | 10.960   | ppbv   | 97       |
| 32) 1,1,1-Trichloroethane     | 6.021  | 97    | 1452340  | 10.146   | ppbv   | 99       |
| 34) 2-Butanone                | 4.796  | 43    | 1177267  | 9.614    | ppbv   | 100      |
| 35) Carbon Tetrachloride      | 6.513  | 117   | 1500876  | 10.227   | ppbv   | 99       |
| 36) Benzene                   | 6.388  | 78    | 2069203  | 10.710   | ppbv   | 100      |
| 37) 1,2-Dichloroethane        | 5.822  | 62    | 1113846  | 9.218    | ppbv   | 98       |
| 38) Trichloroethene           | 7.314  | 130   | 1164654  | 10.940   | ppbv   | 98       |
| 39) 1,2-Dichloropropane       | 7.095  | 63    | 789990   | 10.511   | ppbv   | 97       |
| 40) 1,4-Dioxane               | 7.308  | 88    | 275088   | 9.150    | ppbv   | 71       |
| 41) Tetrahydrofuran           | 5.571  | 42    | 810241   | 11.417   | ppbv   | 100      |
| 42) Bromodichloromethane      | 7.269  | 83    | 1654168  | 9.919    | ppbv   | 99       |
| 43) Methyl Methacrylate       | 7.494  | 69    | 818955   | 11.456   | ppbv   | 98       |
| 44) 2,2,4-Trimethylpentane    | 7.346  | 57    | 3379467  | 10.479   | ppbv   | 98       |
| 45) t-1,3-Dichloropropene     | 8.735  | 75    | 765550   | 12.073   | ppbv   | 99       |

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 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

Quant Time: Feb 22 03:11:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Wed Feb 15 17:01:01 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.163  | 75   | 1034631  | 11.712 | ppbv   | 97       |
| 47) 1,1,2-Trichloroethane     | 8.925  | 97   | 822152   | 10.114 | ppbv   | 98       |
| 48) Dibromochloromethane      | 9.735  | 129  | 1375112  | 10.576 | ppbv   | 99       |
| 49) Bromoform                 | 12.436 | 173  | 1110401  | 10.942 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.201  | 43   | 2061951  | 10.844 | ppbv   | 99       |
| 51) 2-Hexanone                | 9.574  | 43   | 1604095  | 10.969 | ppbv # | 98       |
| 52) Tetrachloroethene         | 10.642 | 164  | 695593   | 11.530 | ppbv   | 93       |
| 53) Toluene                   | 9.246  | 91   | 2346701  | 11.341 | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.034 | 107  | 918330   | 10.858 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.539 | 131  | 978387   | 8.051  | ppbv   | 96       |
| 57) Chlorobenzene             | 11.555 | 112  | 1748075  | 8.265  | ppbv   | 98       |
| 58) Ethyl Benzene             | 12.118 | 91   | 3117117  | 8.862  | ppbv   | 100      |
| 59) m/p-Xylene                | 12.397 | 91   | 2641954  | 8.480  | ppbv # | 30       |
| 60) o-Xylene                  | 13.085 | 91   | 2480062  | 8.273  | ppbv   | 97       |
| 61) Styrene                   | 12.928 | 104  | 1499968  | 9.530  | ppbv   | 99       |
| 62) Isopropylbenzene          | 14.060 | 105  | 3556438  | 8.265  | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.076 | 83   | 823575   | 7.624  | ppbv   | 100      |
| 64) n-propylbenzene           | 14.941 | 120  | 522653   | 4.908  | ppbv   | 90       |
| 65) tert-Butylbenzene         | 16.121 | 119  | 3076682  | 8.225  | ppbv   | 96       |
| 66) Benzyl Chloride           | 16.359 | 91   | 204320   | 8.209  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.667 | 105  | 4342678  | 8.096  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 17.024 | 119  | 3543474  | 8.332  | ppbv   | 98       |
| 70) n-Butylbenzene            | 17.918 | 91   | 3686881  | 7.988  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.831 | 91   | 2687176  | 8.165  | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.220 | 105  | 2889843  | 8.720  | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 15.381 | 105  | 2529823  | 8.204  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.137 | 105  | 2686413  | 7.931  | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.362 | 146  | 1519220  | 8.196  | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.503 | 146  | 1464022  | 8.060  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.178 | 146  | 1452665  | 7.890  | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.667 | 225  | 934233   | 7.385  | ppbv   | 99       |
| 79) Naphthalene               | 21.419 | 128  | 1866656  | 9.810  | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 24.400 | 142  | 534152   | 9.871  | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene    | 21.175 | 180  | 1006439  | 8.452  | ppbv   | 99       |

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

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 Operator : SY/MD  
 Sample : VSTDCCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

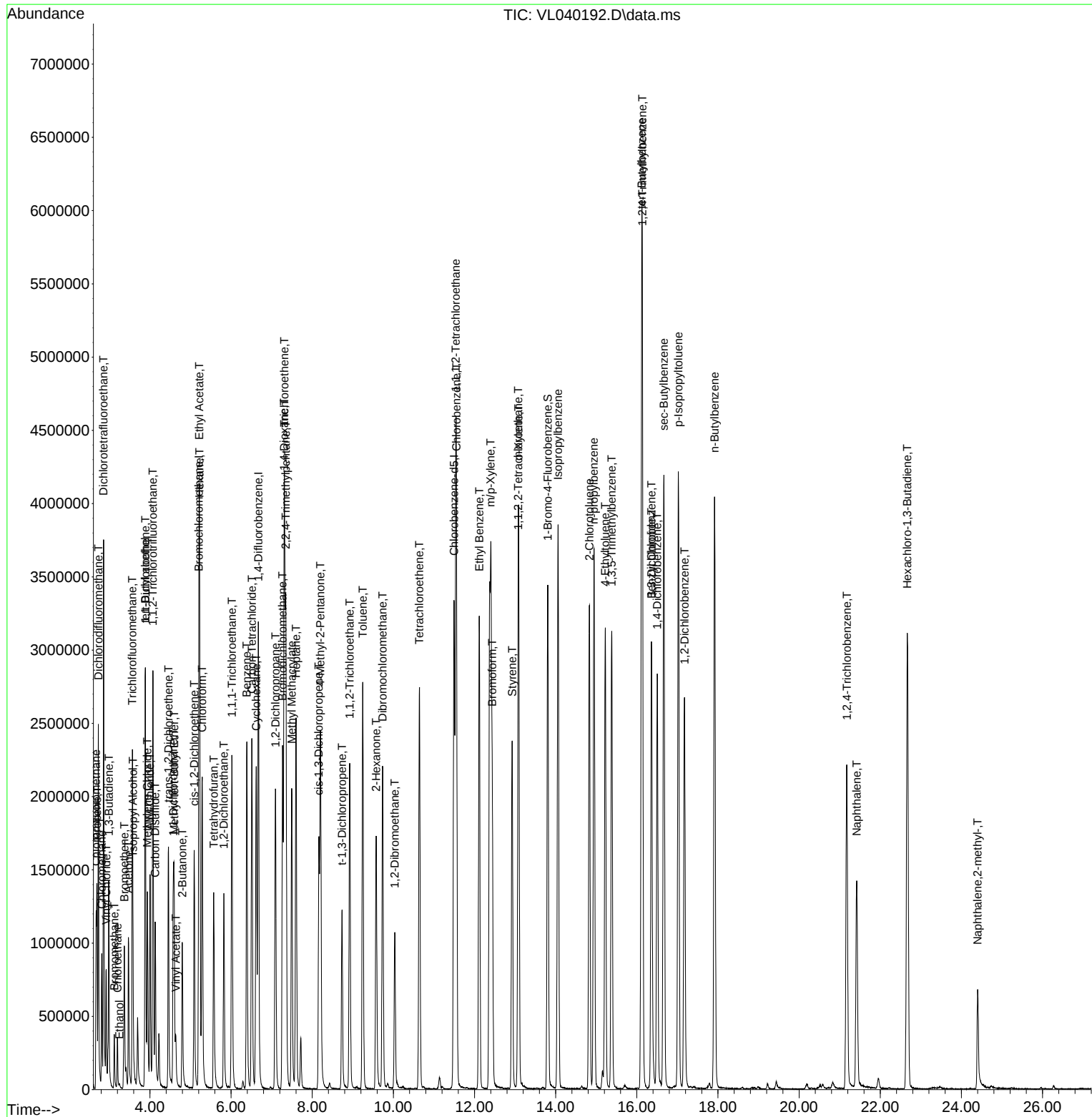
Quant Time: Feb 22 03:11:56 2023

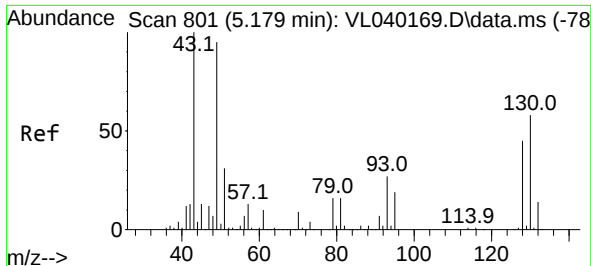
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL021523AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Wed Feb 15 17:01:01 2023

Response via : Initial Calibration

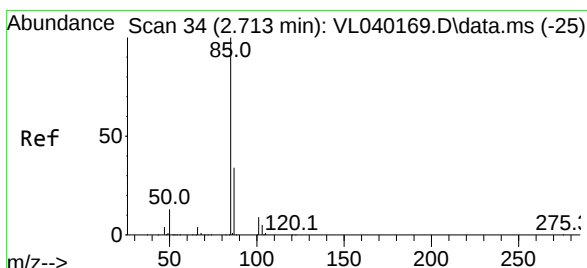
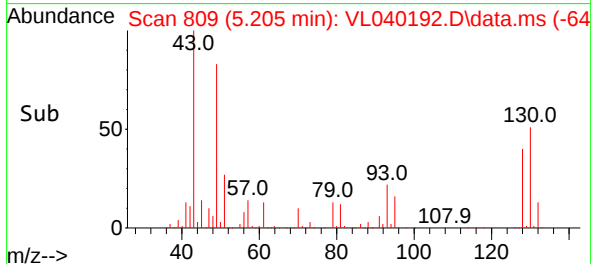
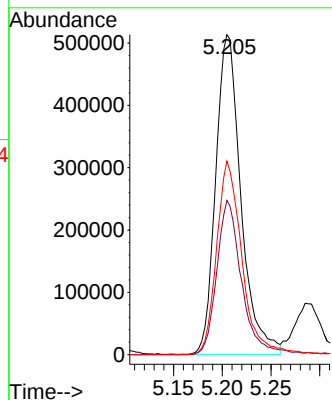
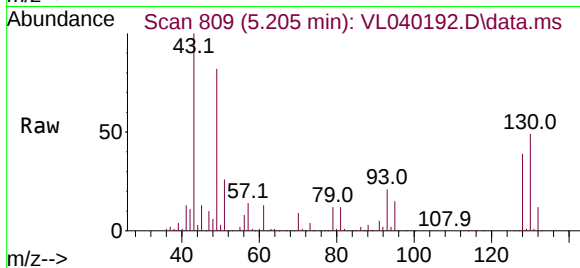




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.205 min Scan# 80  
Delta R.T. 0.026 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

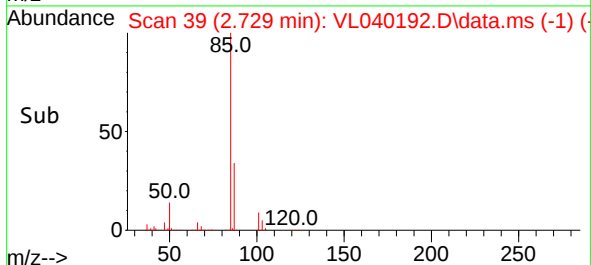
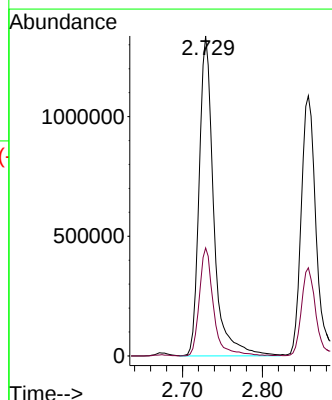
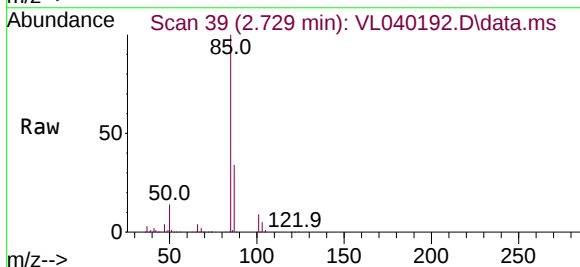
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

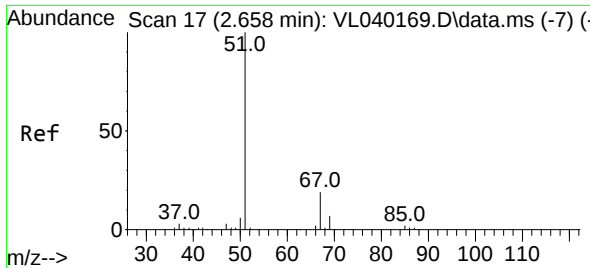
Tgt Ion: 49 Resp: 923466  
Ion Ratio Lower Upper  
49 100  
128 48.3 24.1 72.3  
130 61.9 30.9 92.8



#2  
Dichlorodifluoromethane  
Concen: 9.858 ppbv  
RT: 2.729 min Scan# 39  
Delta R.T. 0.016 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 85 Resp: 1696722  
Ion Ratio Lower Upper  
85 100  
87 33.7 27.0 40.6

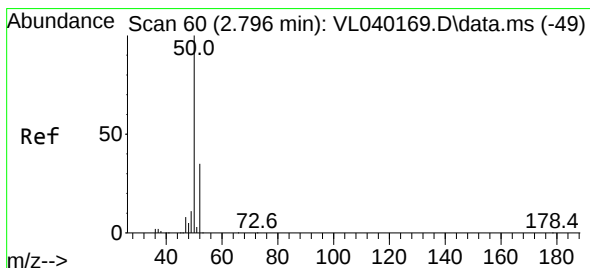
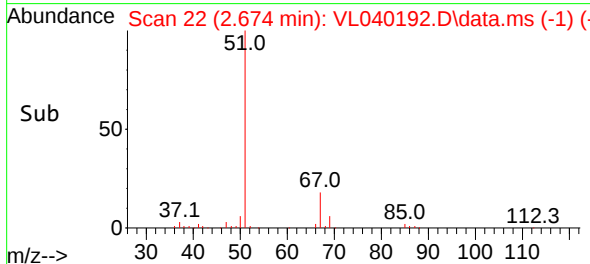
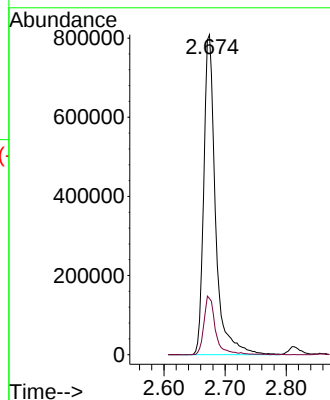
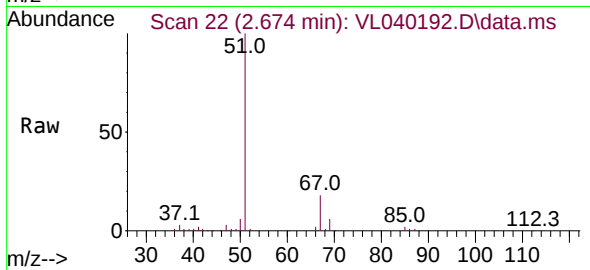




#3  
Chlorodifluoromethane  
Concen: 9.802 ppbv  
RT: 2.674 min Scan# 21  
Delta R.T. 0.016 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

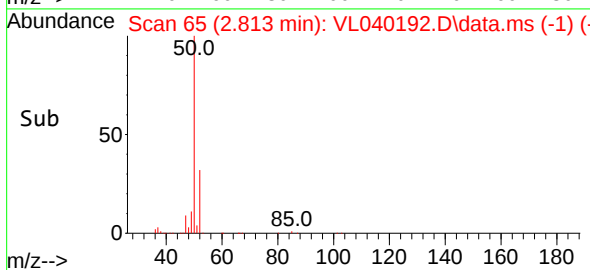
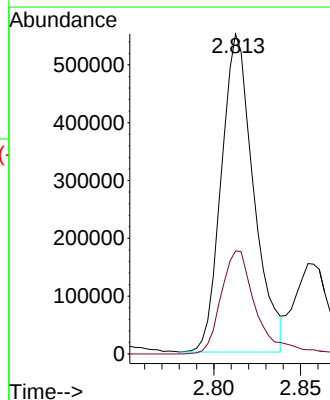
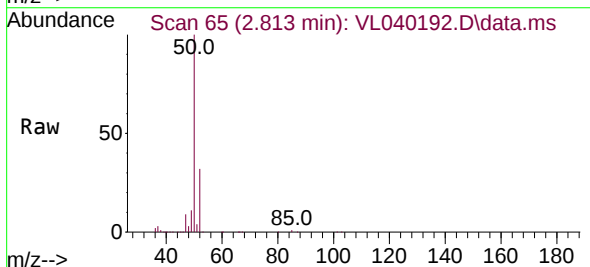
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

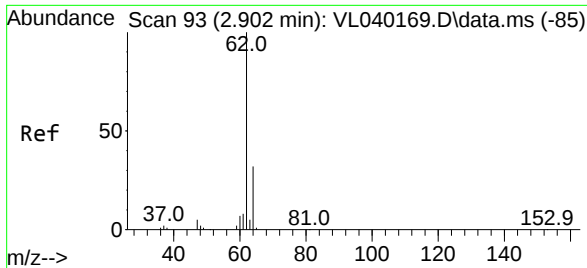
Tgt Ion: 51 Resp: 1081334  
Ion Ratio Lower Upper  
51 100  
67 18.2 15.4 23.2



#4  
Chloromethane  
Concen: 10.303 ppbv  
RT: 2.813 min Scan# 65  
Delta R.T. 0.017 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 50 Resp: 713917  
Ion Ratio Lower Upper  
50 100  
52 32.4 28.3 42.5

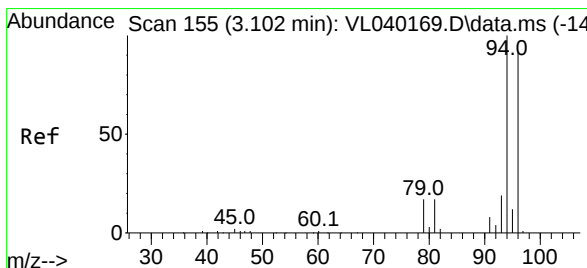
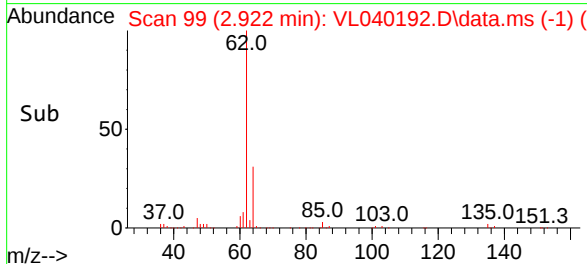
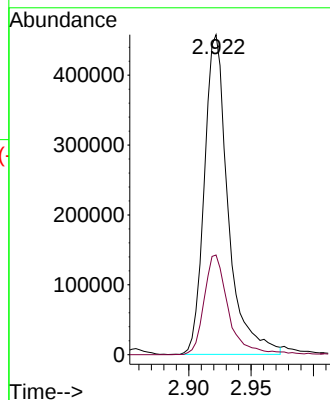
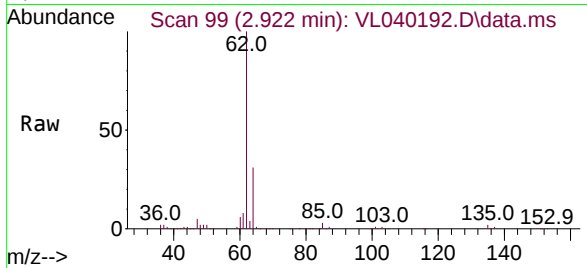




#5  
 Vinyl Chloride  
 Concen: 10.924 ppbv  
 RT: 2.922 min Scan# 94  
 Delta R.T. 0.020 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

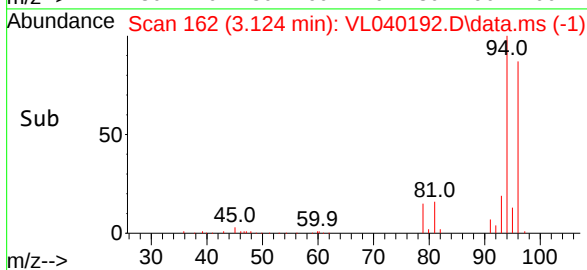
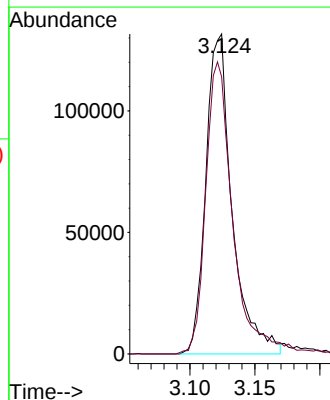
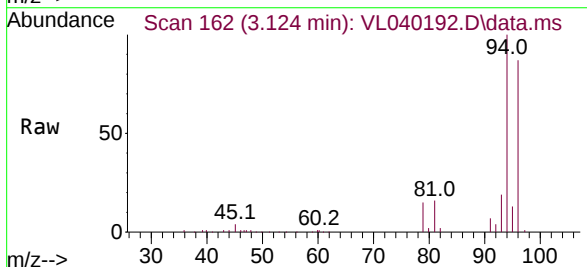
Instrument :  
 MSVOA\_L  
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 VSTDCCC010

Tgt Ion: 62 Resp: 608268  
 Ion Ratio Lower Upper  
 62 100  
 64 31.1 25.6 38.4



#6  
 Bromomethane  
 Concen: 9.234 ppbv  
 RT: 3.124 min Scan# 162  
 Delta R.T. 0.022 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

Tgt Ion: 94 Resp: 185591  
 Ion Ratio Lower Upper  
 94 100  
 96 86.2 73.4 110.2

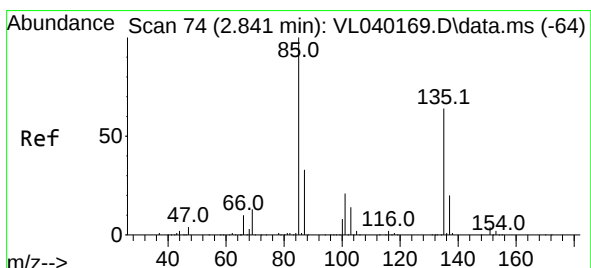
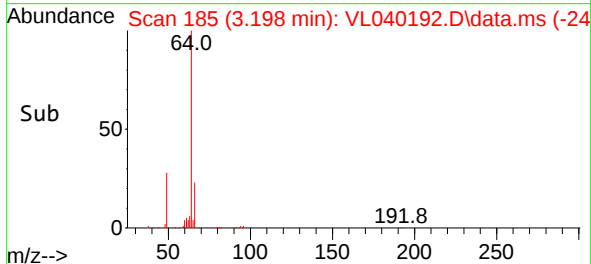
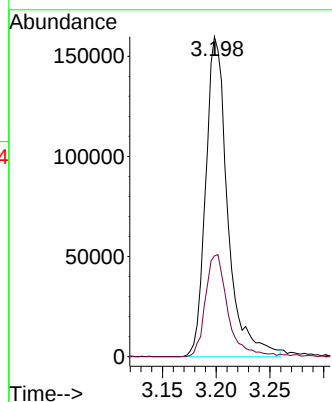
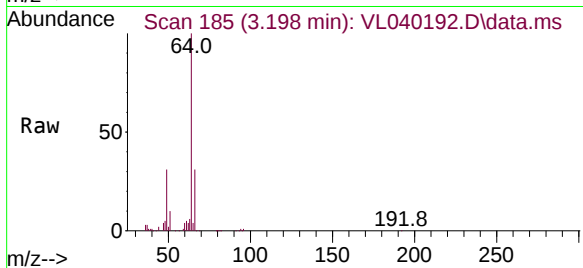




#7  
Chloroethane  
Concen: 10.294 ppbv  
RT: 3.198 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

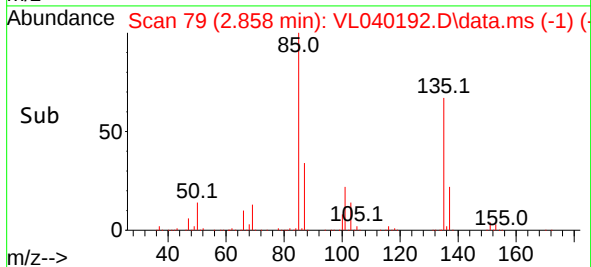
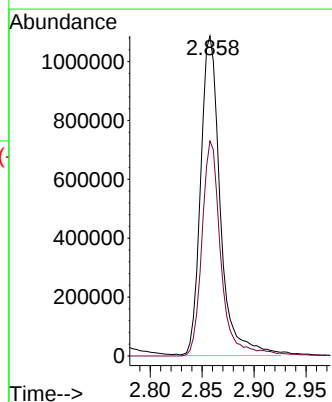
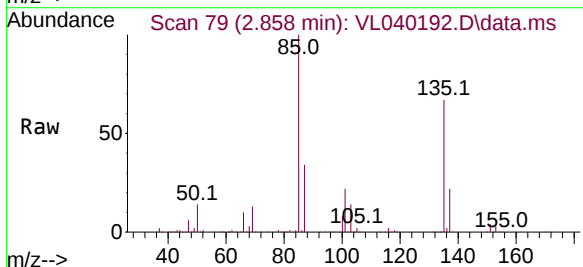
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

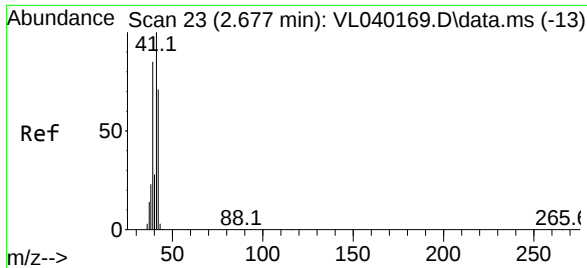
Tgt Ion: 64 Resp: 227311  
Ion Ratio Lower Upper  
64 100  
66 31.5 25.4 38.2



#8  
Dichlorotetrafluoroethane  
Concen: 9.649 ppbv  
RT: 2.858 min Scan# 79  
Delta R.T. 0.017 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 85 Resp: 1430991  
Ion Ratio Lower Upper  
85 100  
135 65.8 51.5 77.3

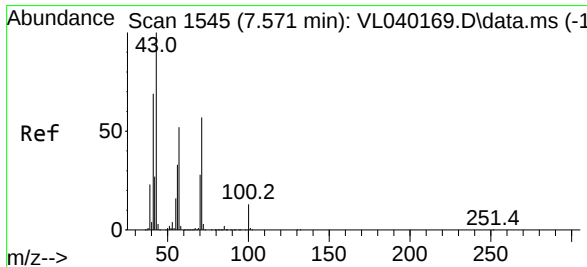
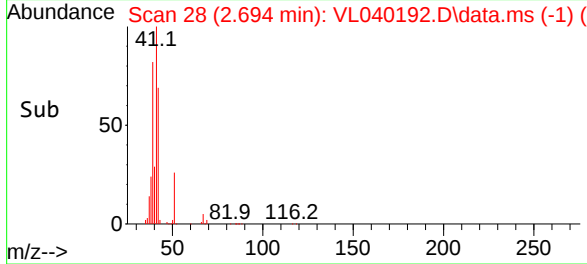
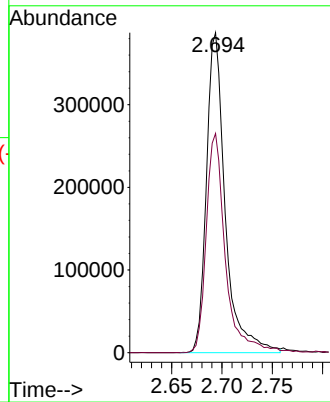
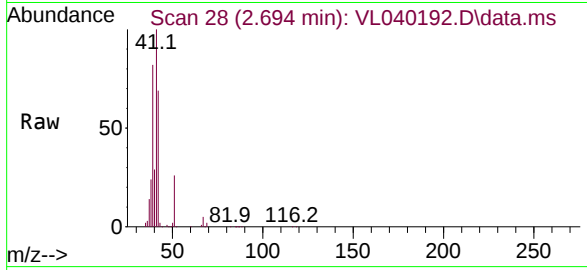




#9  
Propene  
Concen: 11.173 ppbv  
RT: 2.694 min Scan# 21  
Delta R.T. 0.017 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

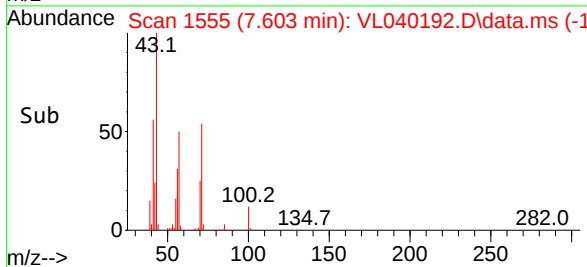
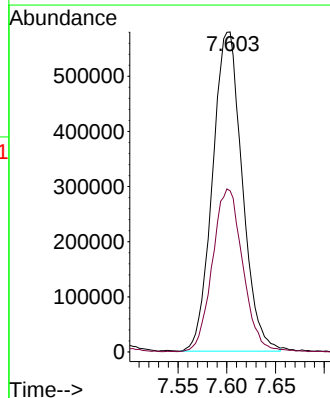
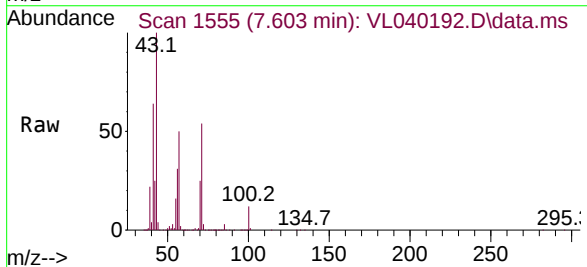
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

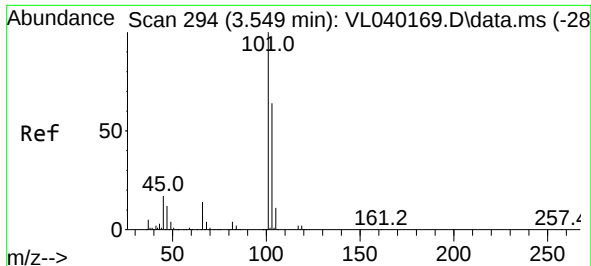
Tgt Ion: 41 Resp: 502400  
Ion Ratio Lower Upper  
41 100  
42 70.5 56.9 85.3



#10  
Heptane  
Concen: 11.489 ppbv  
RT: 7.603 min Scan# 1555  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 43 Resp: 1229618  
Ion Ratio Lower Upper  
43 100  
57 52.3 41.4 62.2

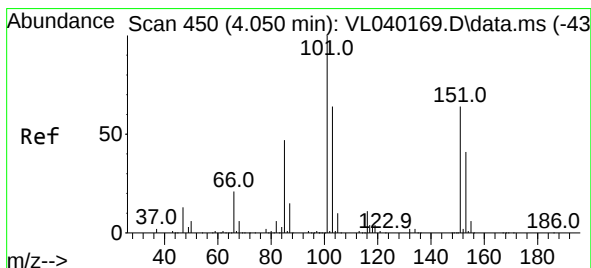
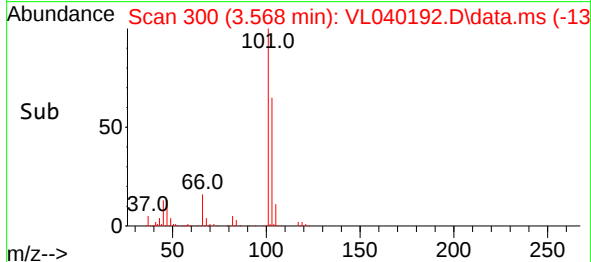
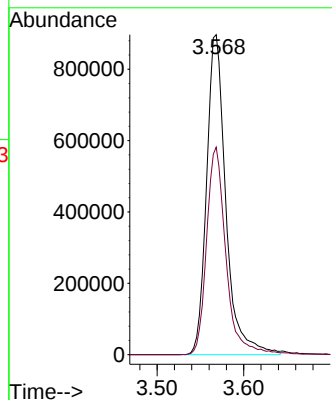
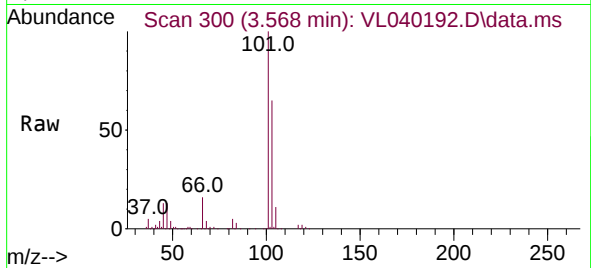




#11  
 Trichlorofluoromethane  
 Concen: 8.989 ppbv  
 RT: 3.568 min Scan# 300  
 Delta R.T. 0.019 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

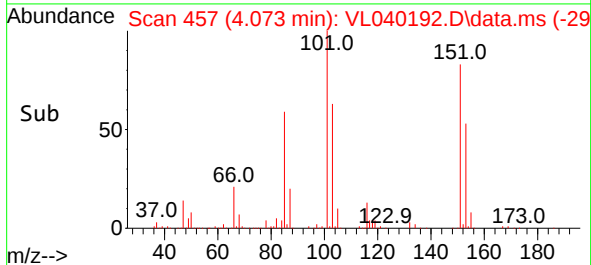
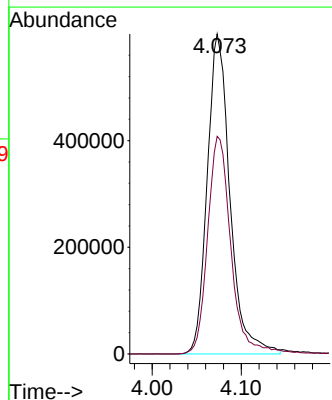
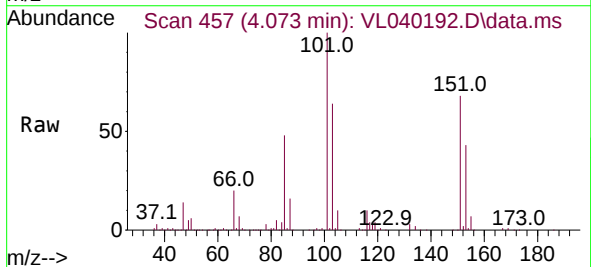
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

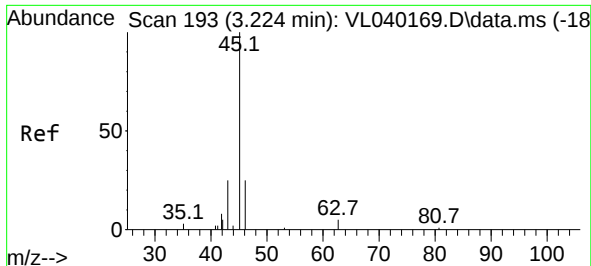
Tgt Ion:101 Resp: 1388089  
 Ion Ratio Lower Upper  
 101 100  
 103 64.9 51.0 76.6



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 9.338 ppbv  
 RT: 4.073 min Scan# 457  
 Delta R.T. 0.023 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

Tgt Ion:101 Resp: 1063832  
 Ion Ratio Lower Upper  
 101 100  
 151 69.9 54.7 82.1





#13

Ethanol

Concen: 5.914 ppbv

RT: 3.250 min Scan# 201

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

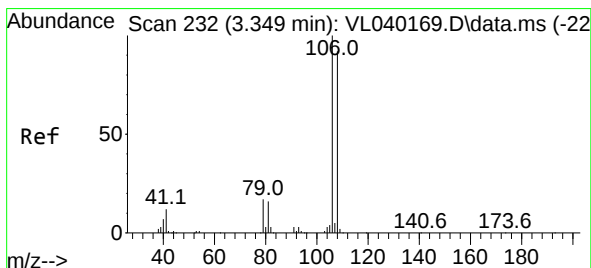
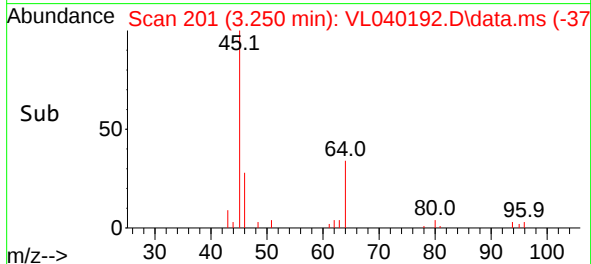
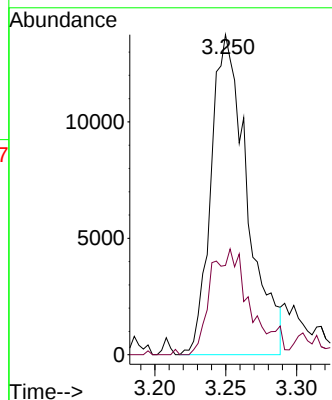
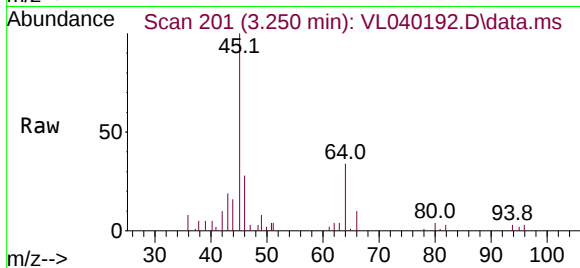
VSTDCCC010

Tgt Ion: 45 Resp: 24483

Ion Ratio Lower Upper

45 100

46 40.4 13.3 53.1



#14

Bromoethene

Concen: 10.136 ppbv

RT: 3.369 min Scan# 238

Delta R.T. 0.020 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

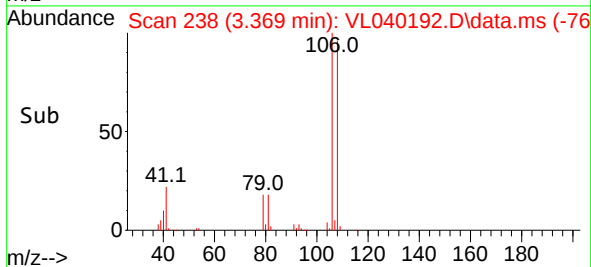
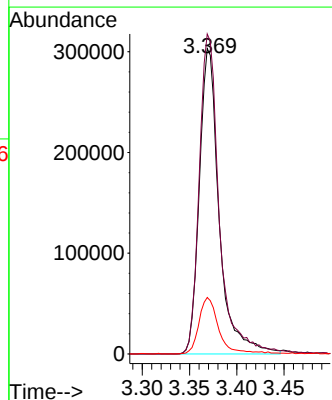
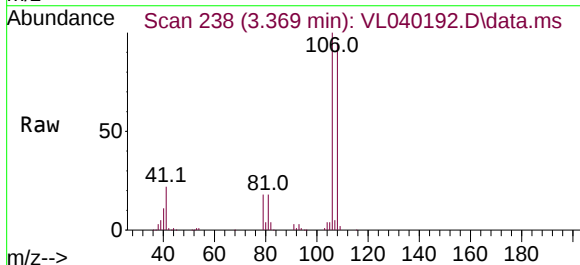
Tgt Ion: 108 Resp: 442829

Ion Ratio Lower Upper

108 100

106 106.9 87.1 130.7

79 19.0 15.4 23.2

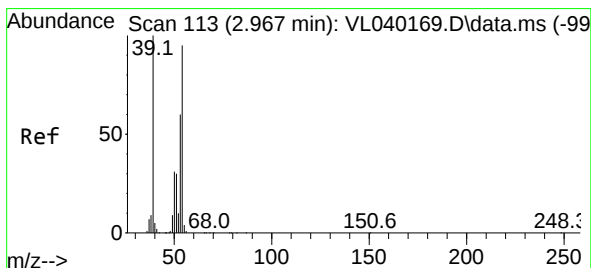
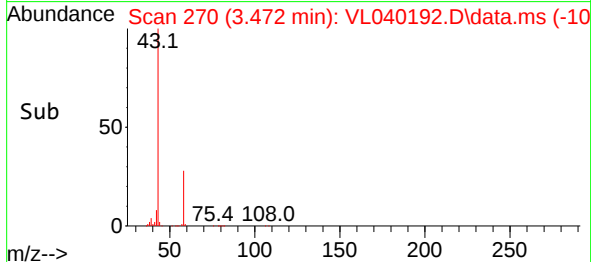
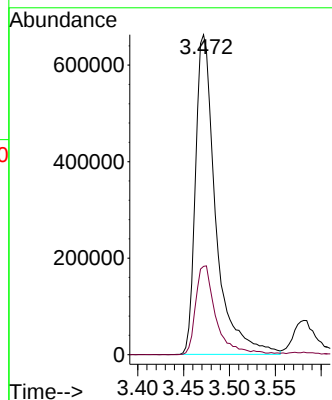
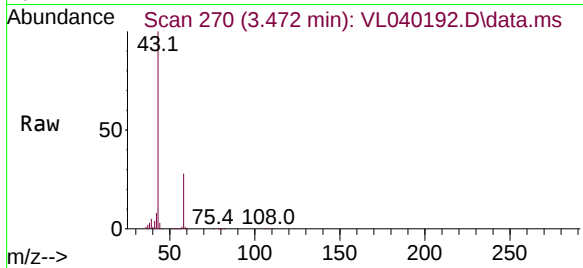




#15  
Acetone  
Concen: 9.128 ppbv  
RT: 3.472 min Scan# 21  
Delta R.T. 0.020 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

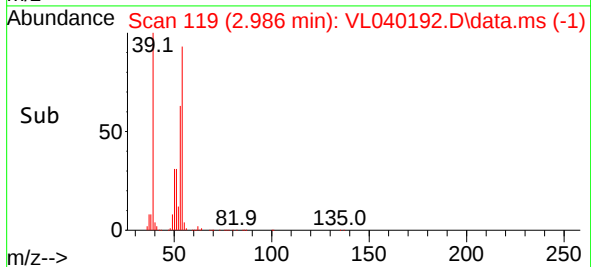
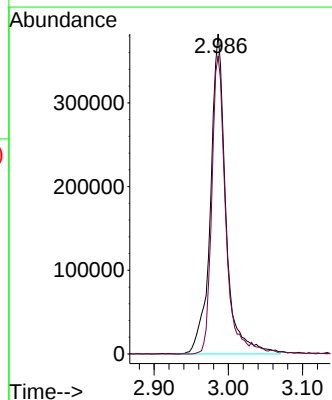
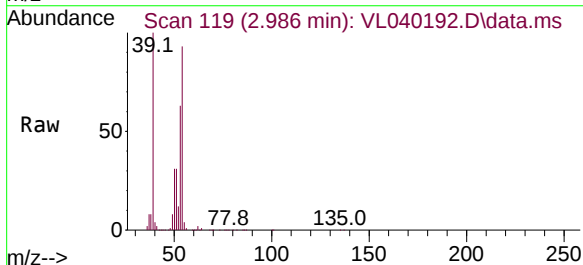
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

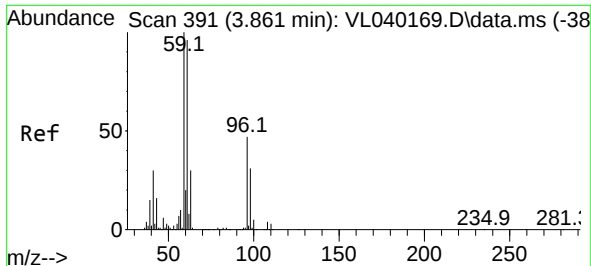
Tgt Ion: 43 Resp: 1014822  
Ion Ratio Lower Upper  
43 100  
58 28.2 22.4 33.6



#16  
1,3-Butadiene  
Concen: 10.897 ppbv  
RT: 2.986 min Scan# 119  
Delta R.T. 0.019 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 39 Resp: 553261  
Ion Ratio Lower Upper  
39 100  
54 85.1 66.7 100.1





#17

tert-Butyl alcohol

Concen: 10.889 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.025 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

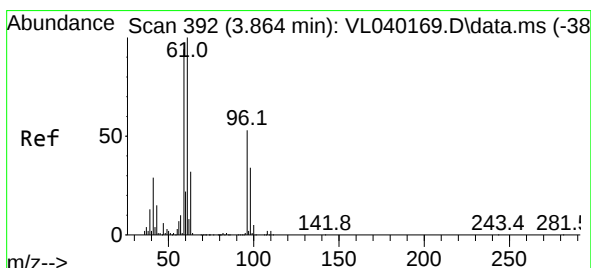
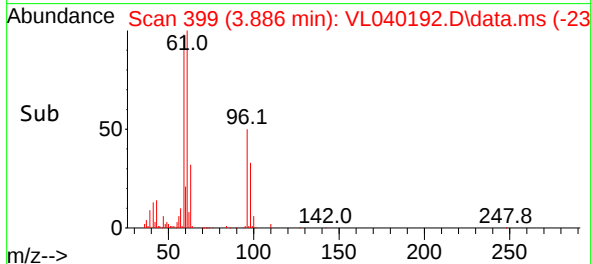
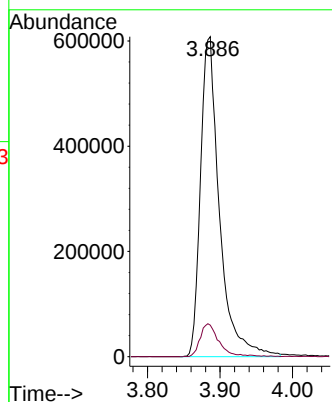
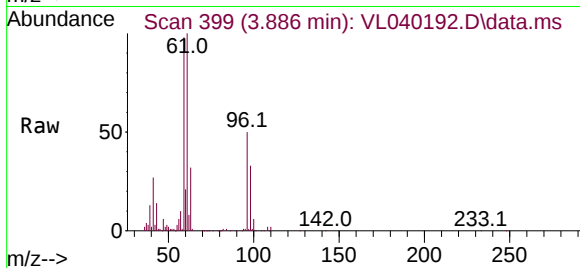
VSTDCCC010

Tgt Ion: 59 Resp: 1104058

Ion Ratio Lower Upper

59 100

57 10.4 8.5 12.7



#18

1,1-Dichloroethene

Concen: 9.430 ppbv

RT: 3.886 min Scan# 399

Delta R.T. 0.022 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

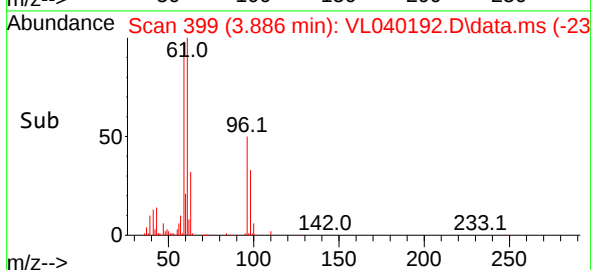
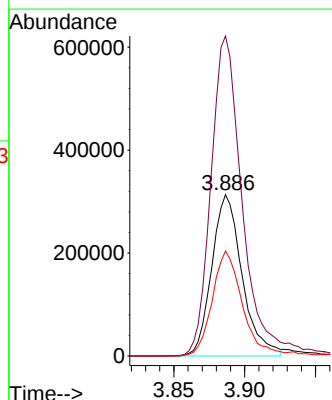
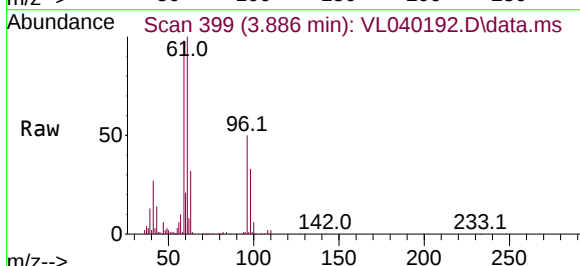
Tgt Ion: 96 Resp: 466816

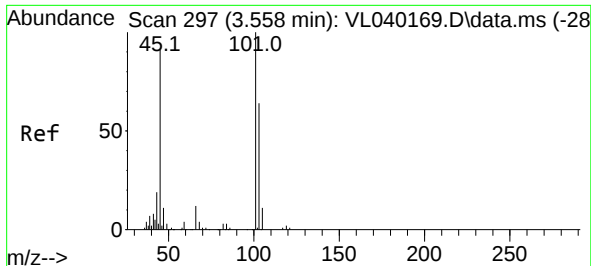
Ion Ratio Lower Upper

96 100

61 198.1 149.6 224.4

98 65.0 51.1 76.7





#19

Isopropyl Alcohol

Concen: 9.486 ppbv

RT: 3.581 min Scan# 304

Delta R.T. 0.023 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

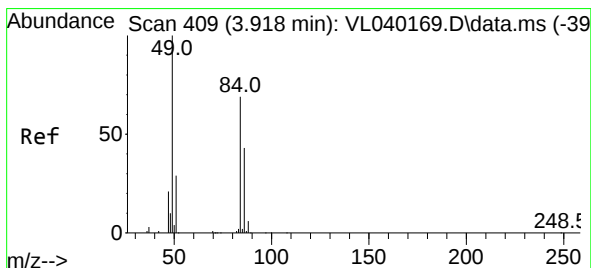
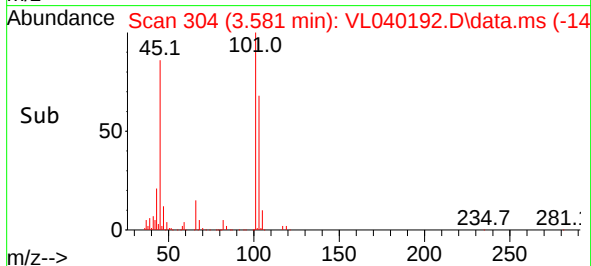
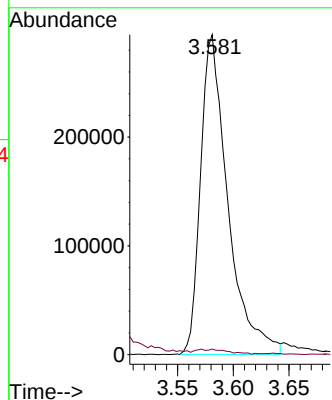
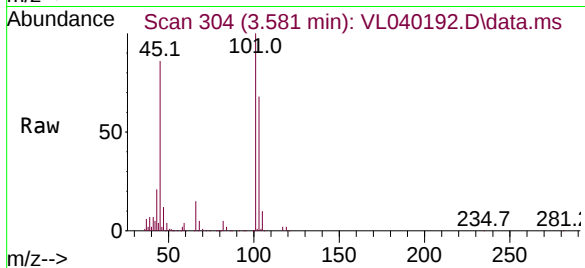
VSTDCCC010

Tgt Ion: 45 Resp: 501354

Ion Ratio Lower Upper

45 100

58 2.9 2.6 3.8



#20

Methylene Chloride

Concen: 7.187 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.020 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Tgt Ion: 84 Resp: 415939

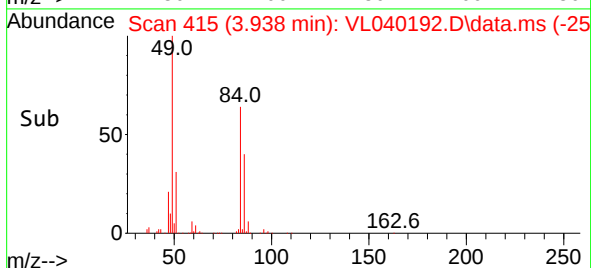
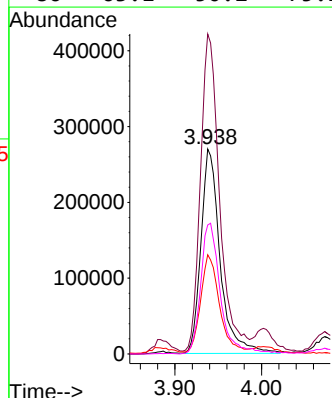
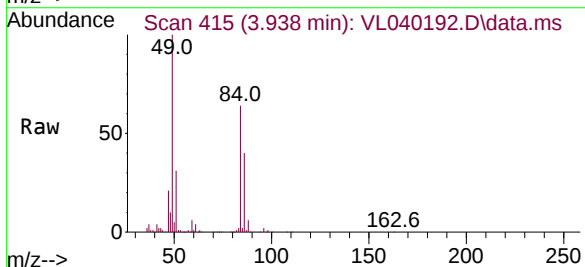
Ion Ratio Lower Upper

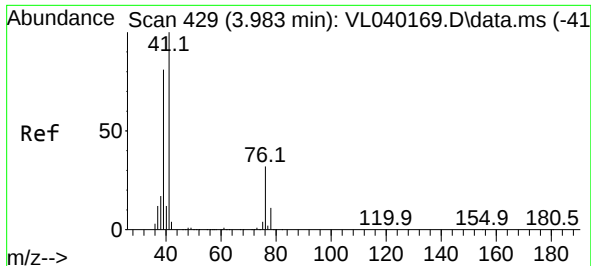
84 100

49 155.2 115.5 173.3

51 47.6 33.1 49.7

86 63.1 50.2 75.2

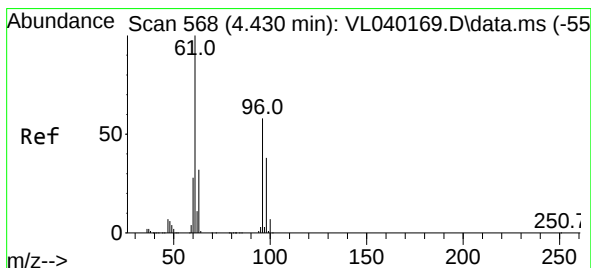
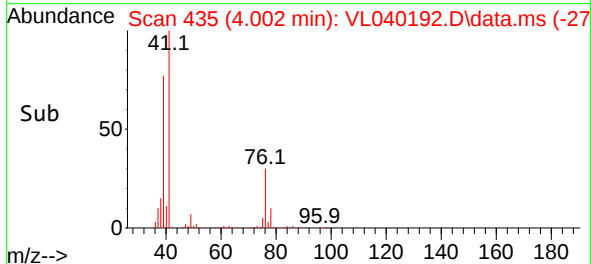
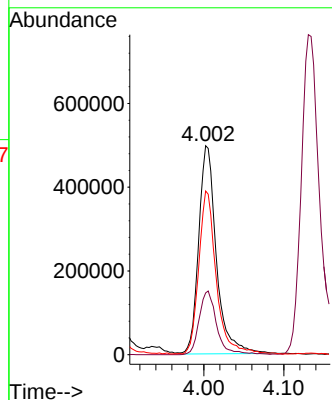
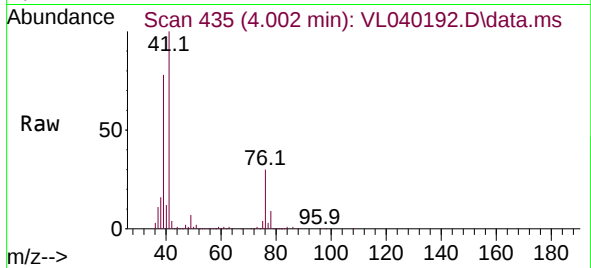




#21  
 Allyl Chloride  
 Concen: 11.263 ppbv  
 RT: 4.002 min Scan# 41  
 Delta R.T. 0.019 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

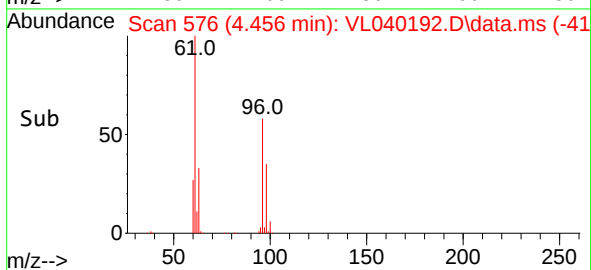
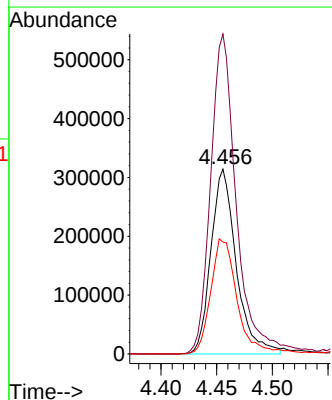
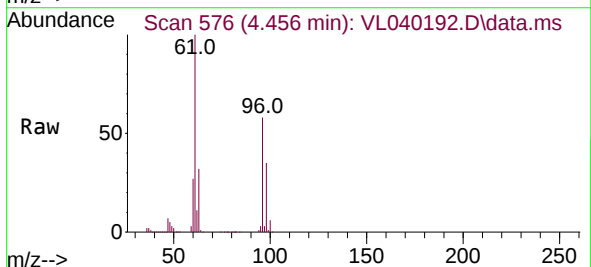
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

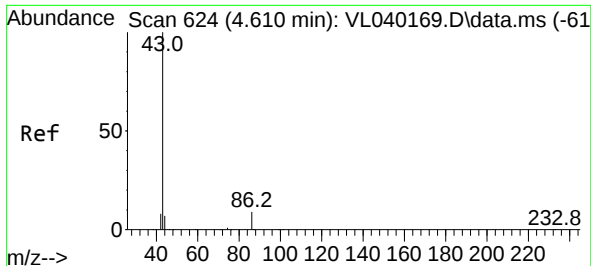
Tgt Ion: 41 Resp: 768036  
 Ion Ratio Lower Upper  
 41 100  
 76 30.4 25.5 38.3  
 39 77.7 64.5 96.7



#22  
 trans-1,2-Dichloroethene  
 Concen: 9.720 ppbv  
 RT: 4.456 min Scan# 576  
 Delta R.T. 0.026 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

Tgt Ion: 96 Resp: 498214  
 Ion Ratio Lower Upper  
 96 100  
 61 173.0 137.5 206.3  
 98 60.5 52.8 79.2

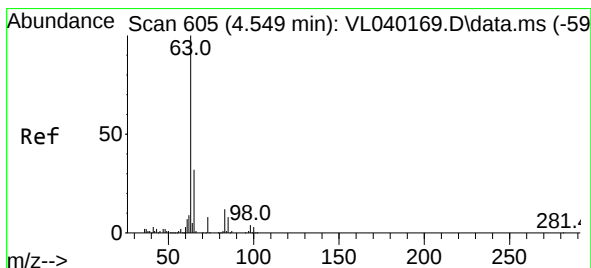
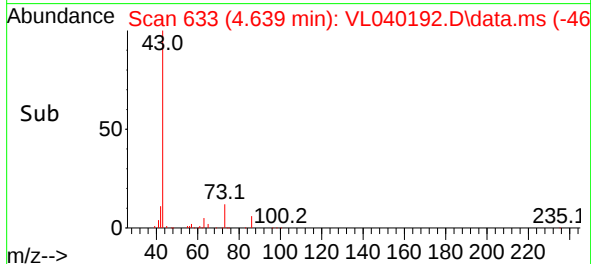
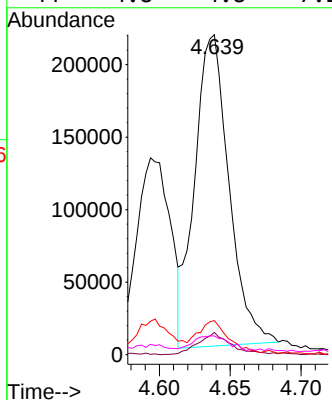
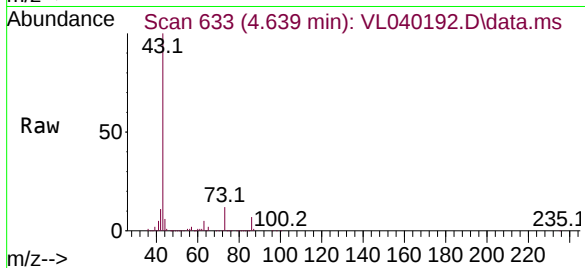




#23  
 Vinyl Acetate  
 Concen: 10.717 ppbv  
 RT: 4.639 min Scan# 613  
 Delta R.T. 0.029 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

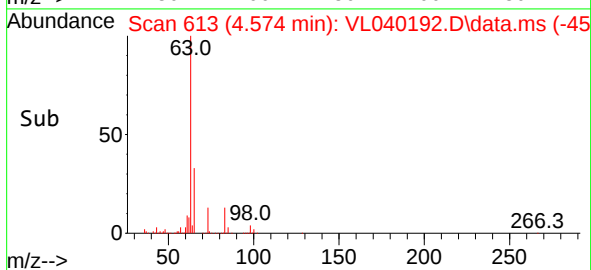
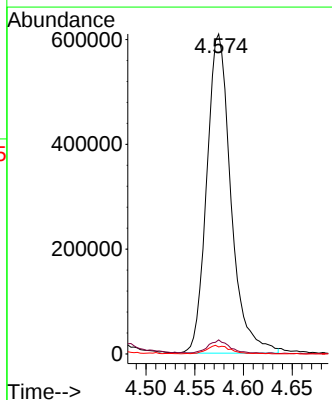
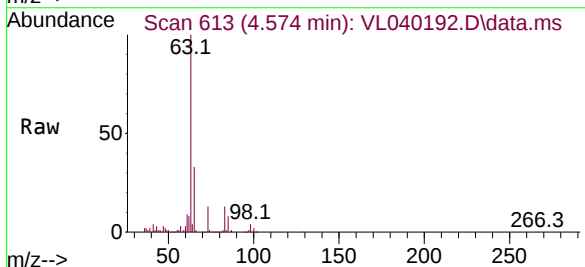
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDCCC010

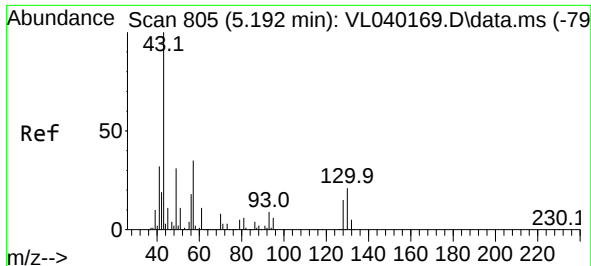
Tgt Ion: 43 Resp: 361605  
 Ion Ratio Lower Upper  
 43 100  
 86 6.9 5.6 8.4  
 42 10.6 7.6 11.4  
 44 4.8 4.8 7.2#



#24  
 1,1-Dichloroethane  
 Concen: 9.933 ppbv  
 RT: 4.574 min Scan# 613  
 Delta R.T. 0.025 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

Tgt Ion: 63 Resp: 1047639  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 2.3 6.8  
 100 2.2 1.4 4.0





#25

Ethyl Acetate

Concen: 10.692 ppbv

RT: 5.218 min Scan# 813

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2209836

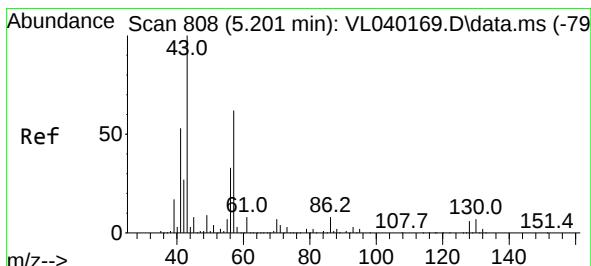
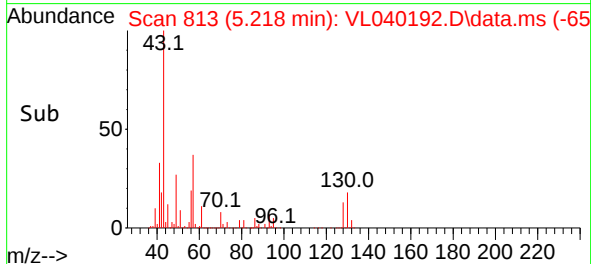
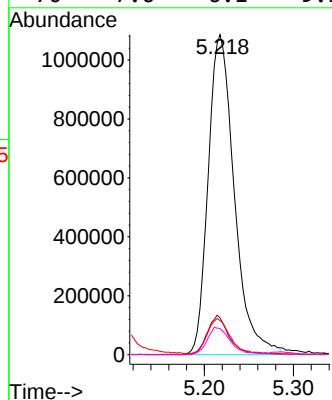
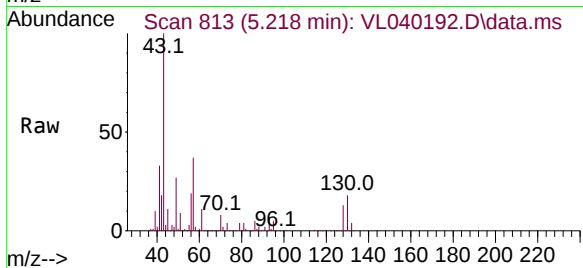
Ion Ratio Lower Upper

43 100

45 10.5 8.3 12.5

61 10.8 8.4 12.6

70 7.6 6.1 9.1



#26

Hexane

Concen: 10.562 ppbv

RT: 5.224 min Scan# 815

Delta R.T. 0.023 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Tgt Ion: 57 Resp: 937151

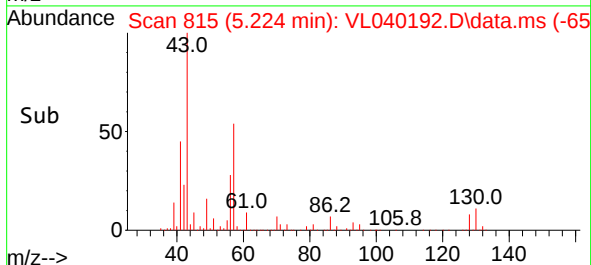
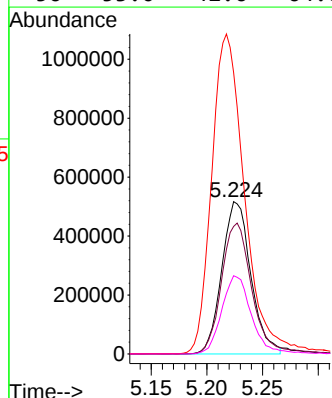
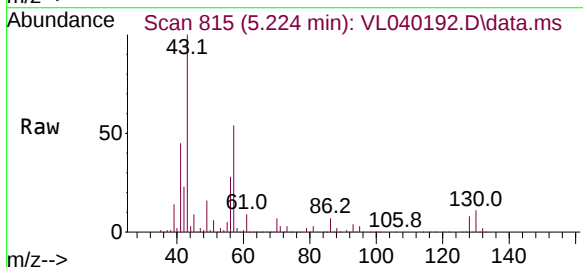
Ion Ratio Lower Upper

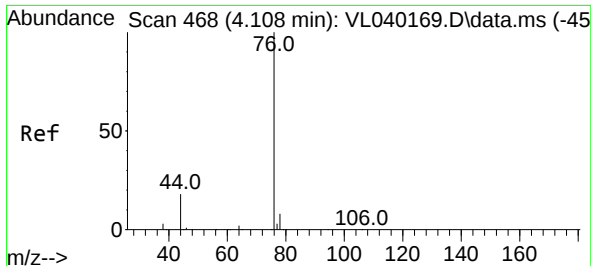
57 100

41 91.2 74.3 111.5

43 240.2 193.0 289.4

56 53.0 42.6 64.0

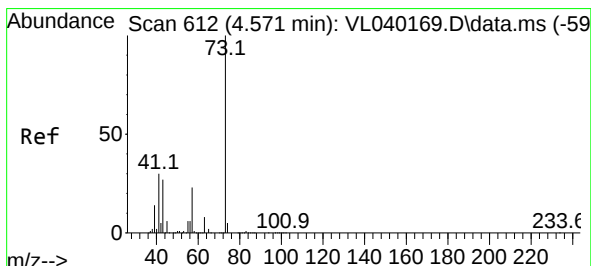
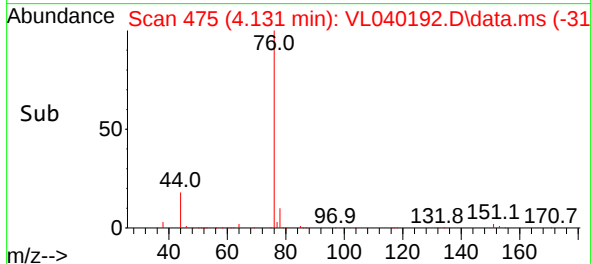
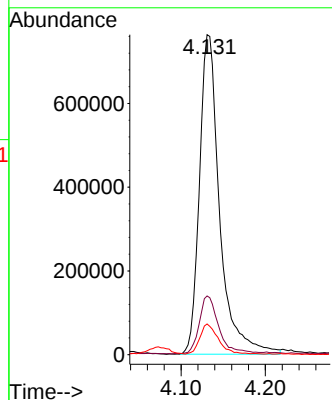
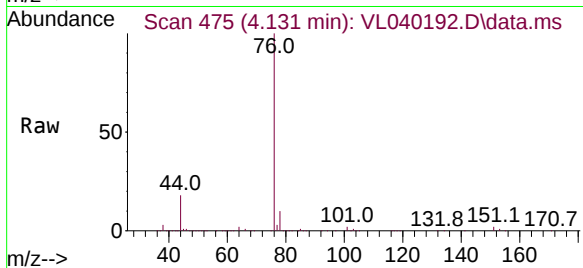




#27  
Carbon Disulfide  
Concen: 11.327 ppbv  
RT: 4.131 min Scan# 41  
Delta R.T. 0.023 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

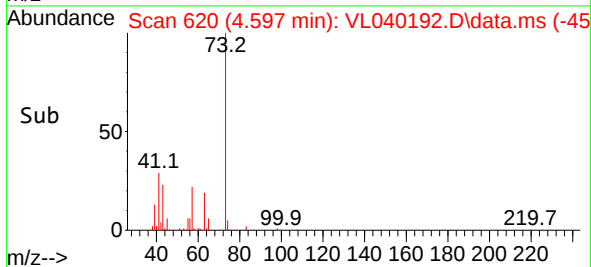
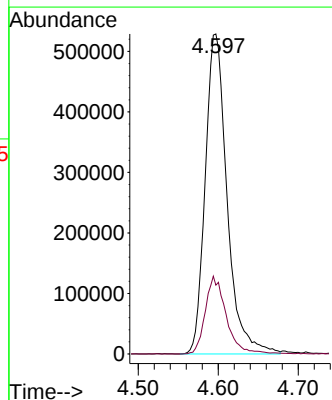
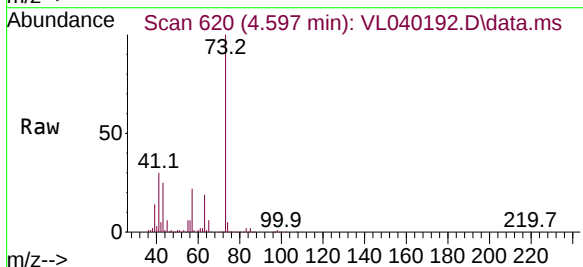
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

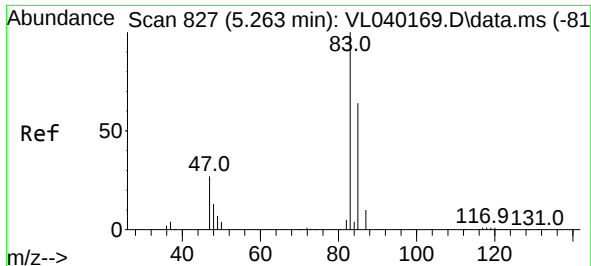
Tgt Ion: 76 Resp: 1275298  
Ion Ratio Lower Upper  
76 100  
44 18.2 15.3 22.9  
78 9.4 7.7 11.5



#28  
Methyl tert-Butyl Ether  
Concen: 10.594 ppbv  
RT: 4.597 min Scan# 620  
Delta R.T. 0.026 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 73 Resp: 1007171  
Ion Ratio Lower Upper  
73 100  
57 23.4 18.8 28.2





#29

Chloroform

Concen: 9.659 ppbv

RT: 5.288 min Scan# 81

Delta R.T. 0.025 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

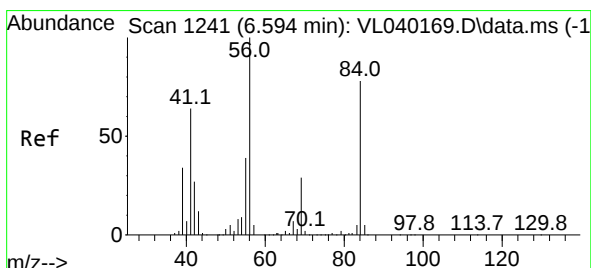
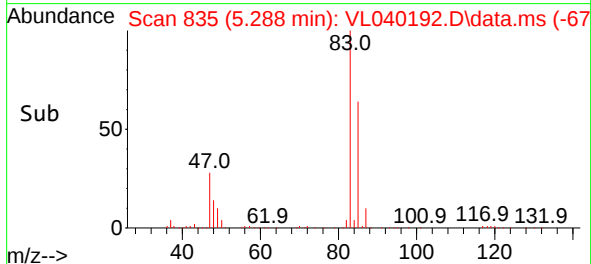
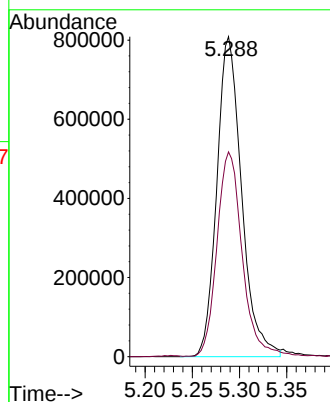
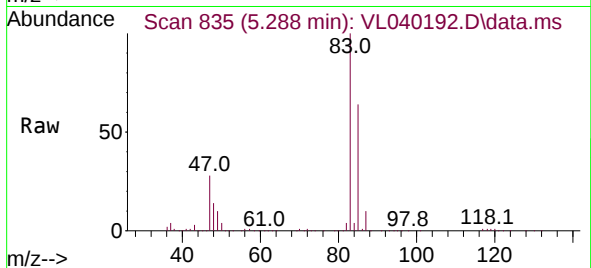
VSTDCCC010

Tgt Ion: 83 Resp: 1471556

Ion Ratio Lower Upper

83 100

85 63.8 51.5 77.3



#30

Cyclohexane

Concen: 11.959 ppbv

RT: 6.623 min Scan# 1250

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

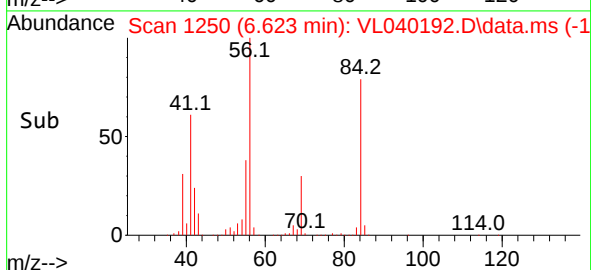
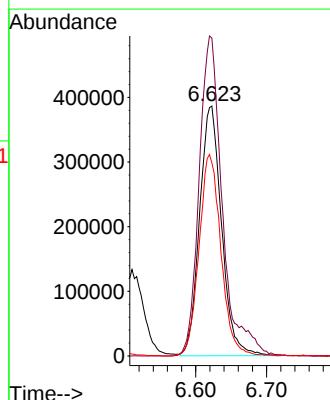
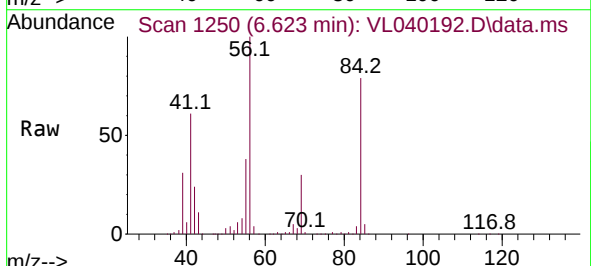
Tgt Ion: 84 Resp: 833162

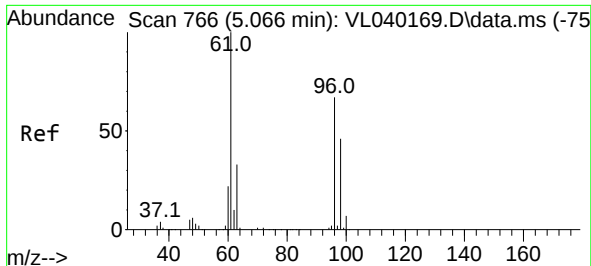
Ion Ratio Lower Upper

84 100

56 135.2 109.9 164.9

41 80.4 67.8 101.6

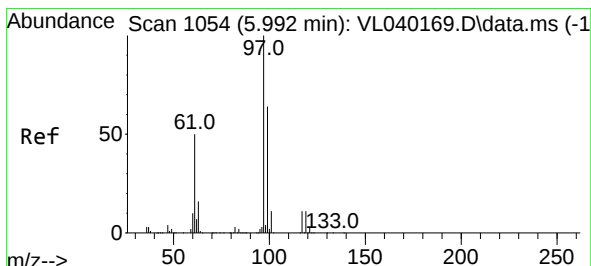
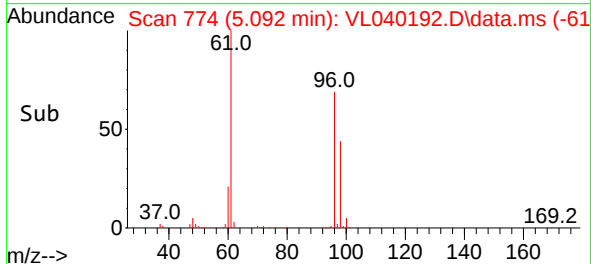
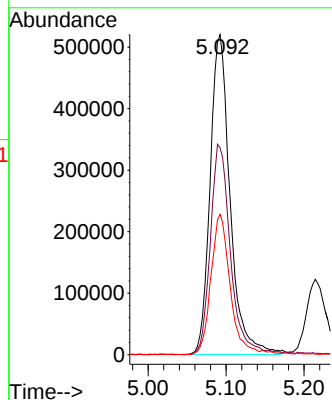
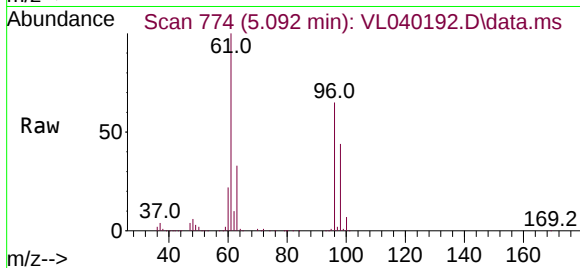




#31  
 cis-1,2-Dichloroethene  
 Concen: 10.960 ppbv  
 RT: 5.092 min Scan# 71  
 Delta R.T. 0.026 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

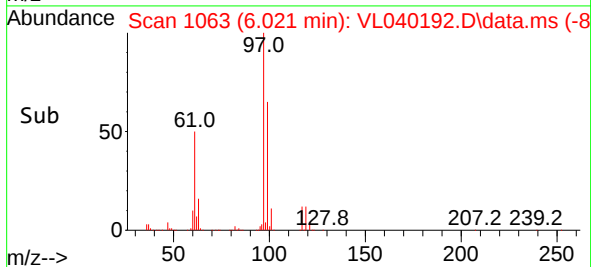
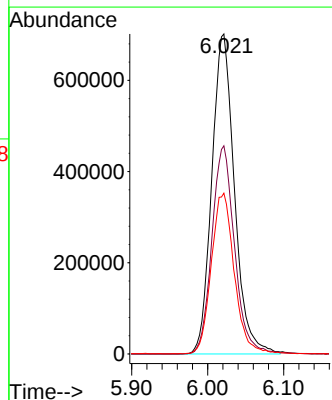
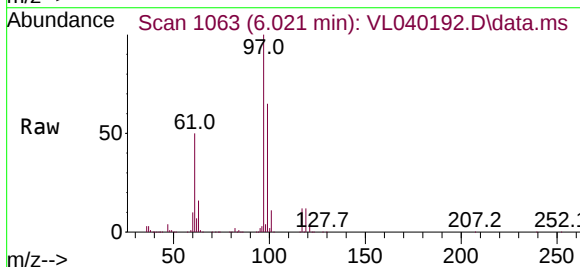
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDCCC010

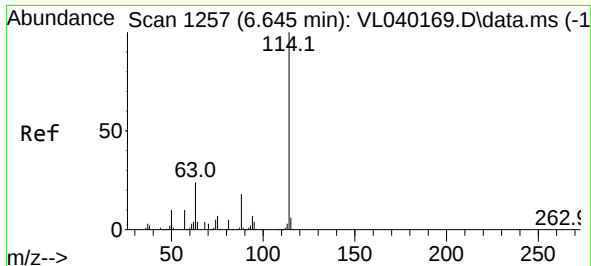
Tgt Ion: 61 Resp: 923942  
 Ion Ratio Lower Upper  
 61 100  
 96 64.6 53.7 80.5  
 98 43.8 36.4 54.6



#32  
 1,1,1-Trichloroethane  
 Concen: 10.146 ppbv  
 RT: 6.021 min Scan# 1063  
 Delta R.T. 0.029 min  
 Lab File: VL040192.D  
 Acq: 21 Feb 2023 12:09

Tgt Ion: 97 Resp: 1452340  
 Ion Ratio Lower Upper  
 97 100  
 99 65.2 51.5 77.3  
 61 51.0 40.6 60.8

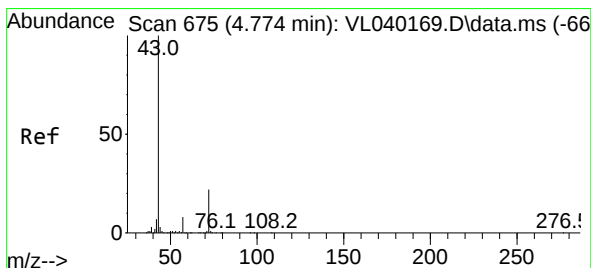
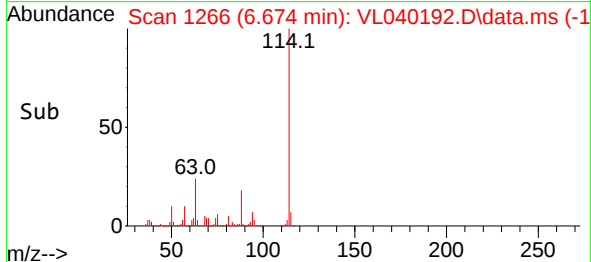
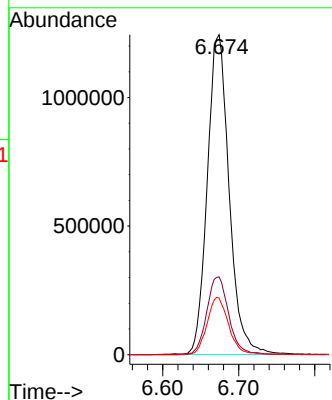
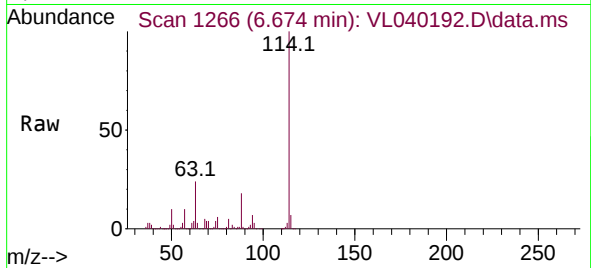




#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 6.674 min Scan# 114  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

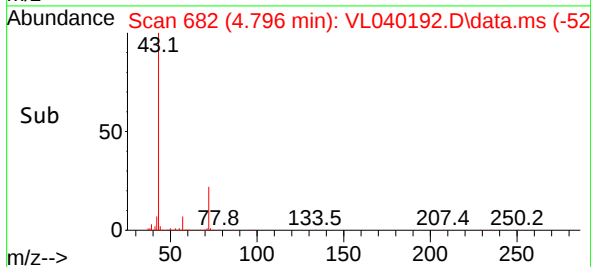
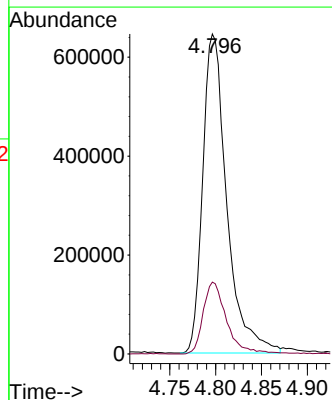
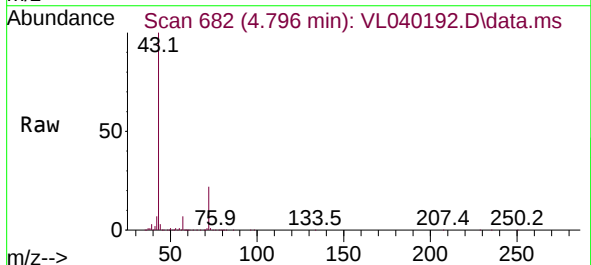
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

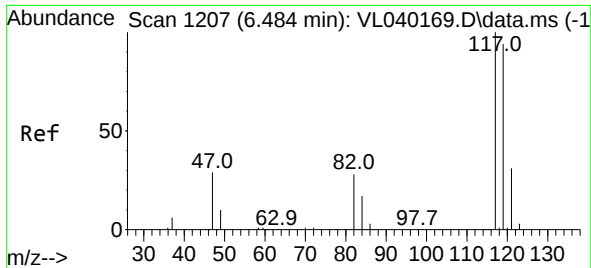
Tgt Ion:114 Resp: 2482522  
Ion Ratio Lower Upper  
114 100  
63 24.8 20.4 30.6  
88 17.7 14.3 21.5



#34  
2-Butanone  
Concen: 9.614 ppbv  
RT: 4.796 min Scan# 682  
Delta R.T. 0.022 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 43 Resp: 1177267  
Ion Ratio Lower Upper  
43 100  
72 22.3 17.8 26.8

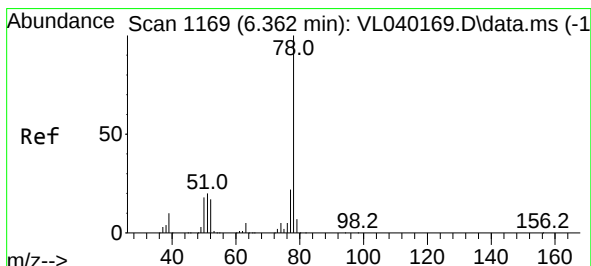
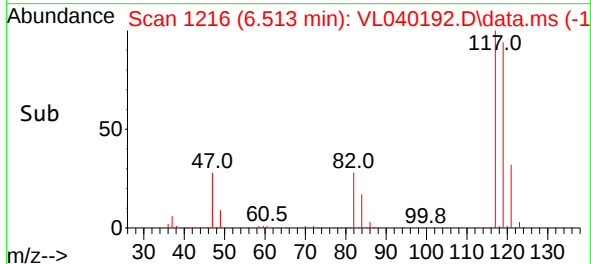
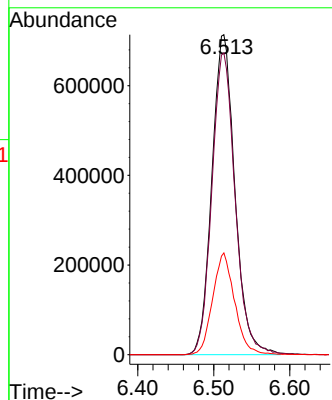
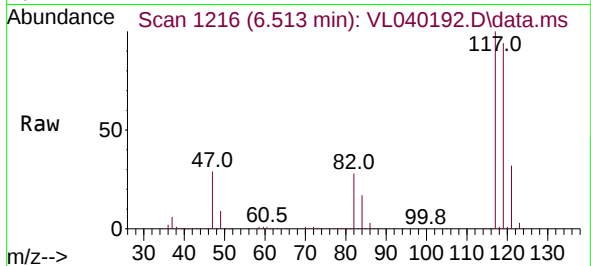




#35  
Carbon Tetrachloride  
Concen: 10.227 ppbv  
RT: 6.513 min Scan# 1177  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

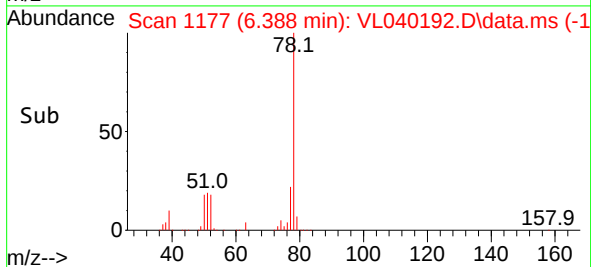
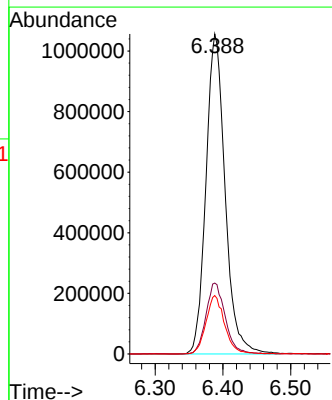
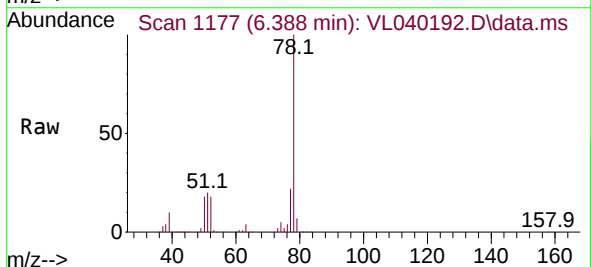
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

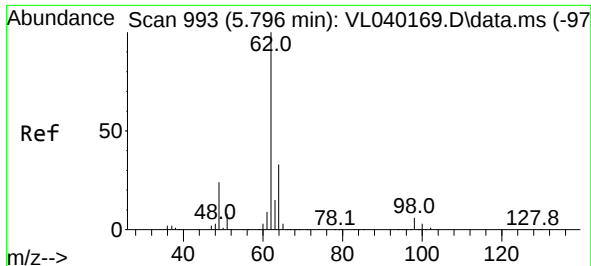
Tgt Ion:117 Resp: 1500876  
Ion Ratio Lower Upper  
117 100  
119 94.3 75.0 112.6  
121 31.8 25.0 37.4



#36  
Benzene  
Concen: 10.710 ppbv  
RT: 6.388 min Scan# 1177  
Delta R.T. 0.026 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 78 Resp: 2069203  
Ion Ratio Lower Upper  
78 100  
77 22.1 17.5 26.3  
50 18.2 14.6 22.0





#37

1,2-Dichloroethane

Concen: 9.218 ppbv

RT: 5.822 min Scan# 1

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

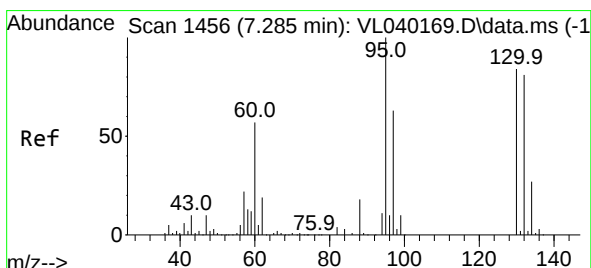
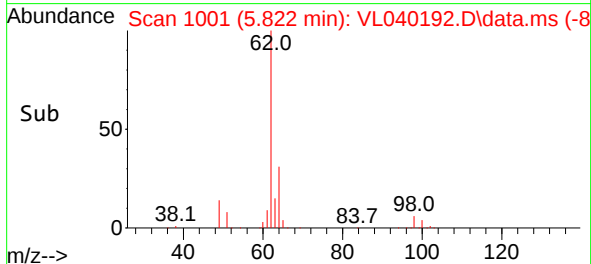
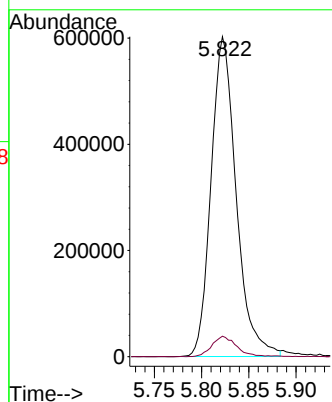
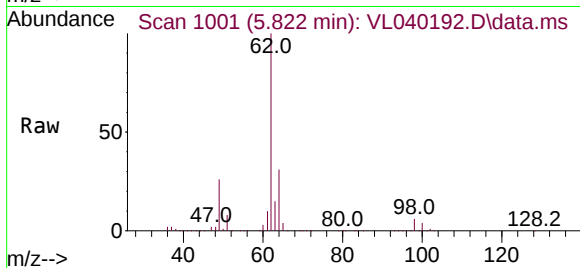
VSTDCCC010

Tgt Ion: 62 Resp: 1113846

Ion Ratio Lower Upper

62 100

98 6.5 4.7 7.1



#38

Trichloroethene

Concen: 10.940 ppbv

RT: 7.314 min Scan# 1465

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Tgt Ion:130 Resp: 1164654

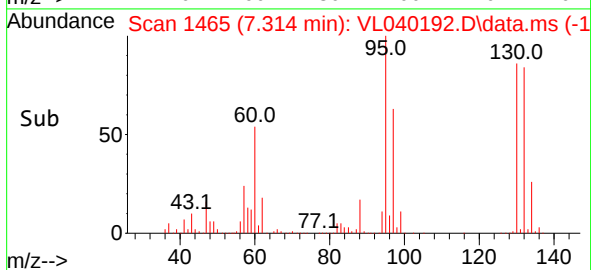
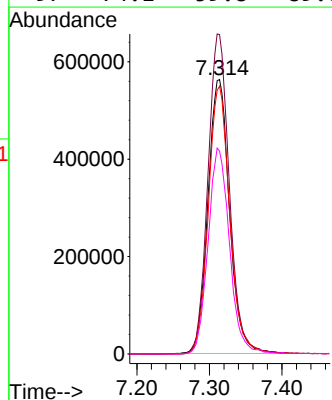
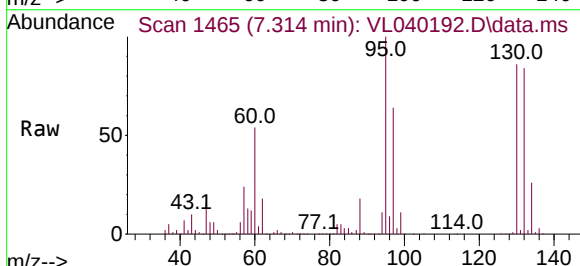
Ion Ratio Lower Upper

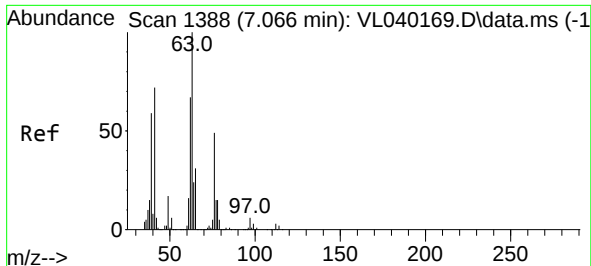
130 100

95 116.6 94.7 142.1

132 97.8 76.4 114.6

97 74.1 59.8 89.6





#39

1,2-Dichloropropane

Concen: 10.511 ppbv

RT: 7.095 min Scan# 11

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

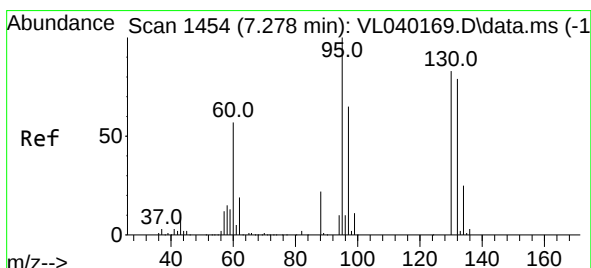
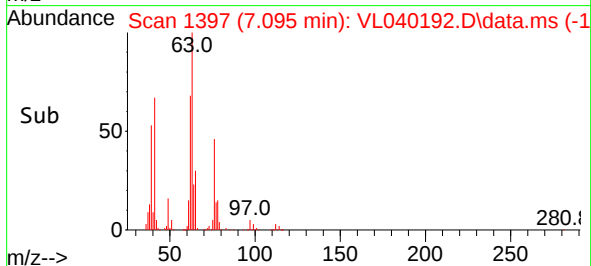
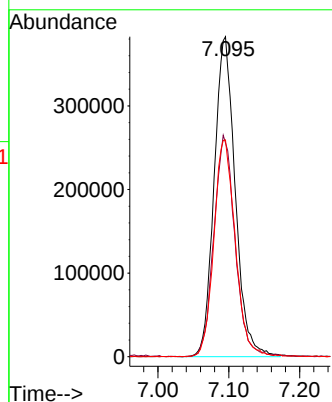
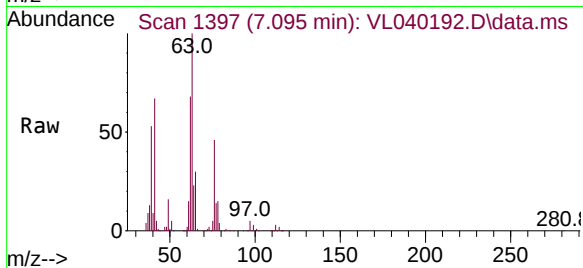
Tgt Ion: 63 Resp: 789990

Ion Ratio Lower Upper

63 100

41 66.7 57.6 86.4

62 67.6 54.0 81.0



#40

1,4-Dioxane

Concen: 9.150 ppbv

RT: 7.308 min Scan# 1463

Delta R.T. 0.030 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Tgt Ion: 88 Resp: 275088

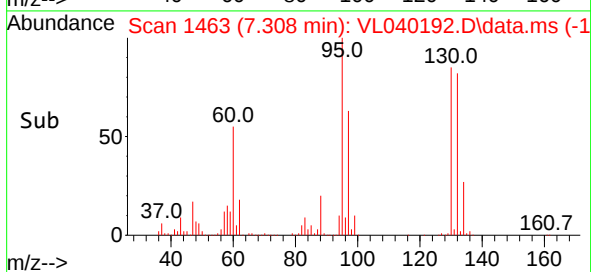
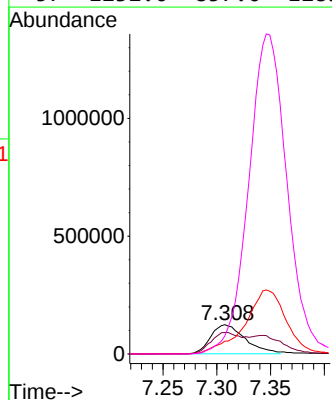
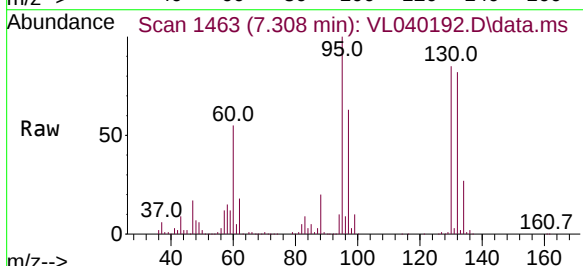
Ion Ratio Lower Upper

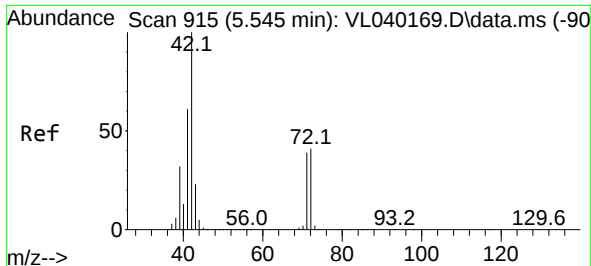
88 100

58 129.9 97.4 146.0

43 267.3 193.5 290.3

57 1232.0 857.0 1285.6

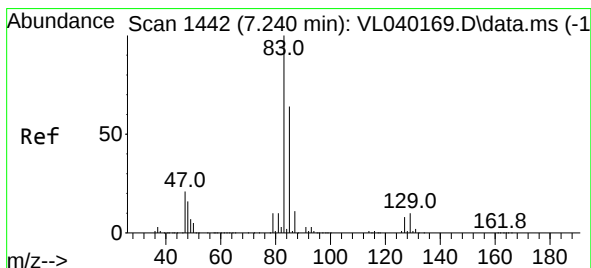
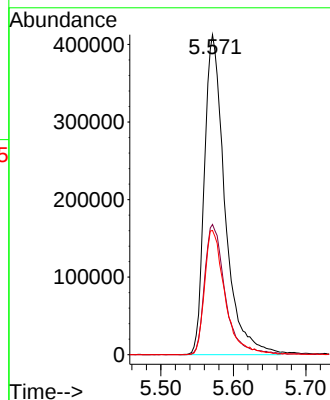
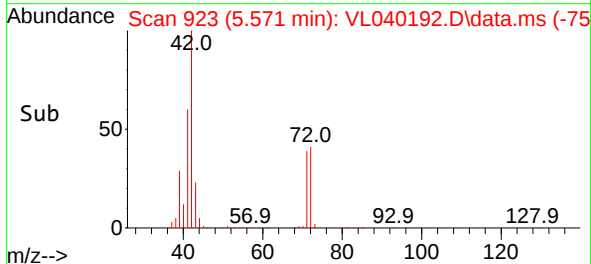
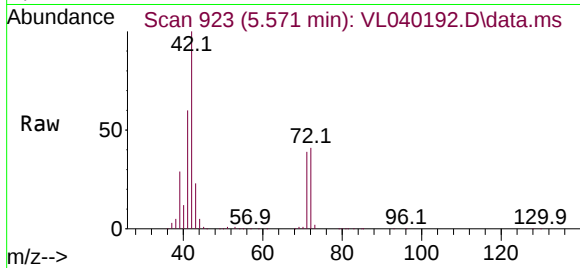




#41  
Tetrahydrofuran  
Concen: 11.417 ppbv  
RT: 5.571 min Scan# 915  
Delta R.T. 0.026 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

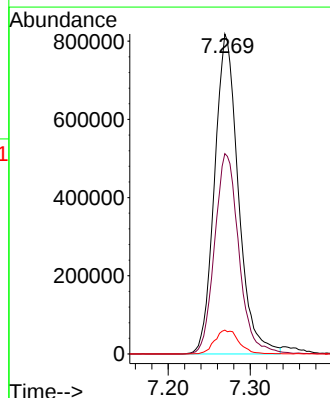
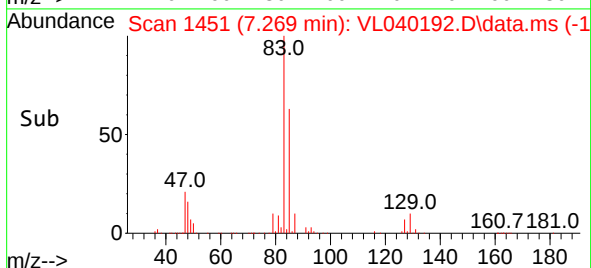
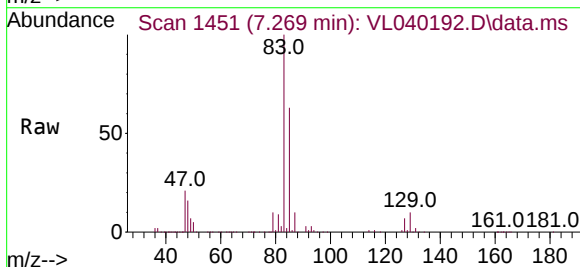
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

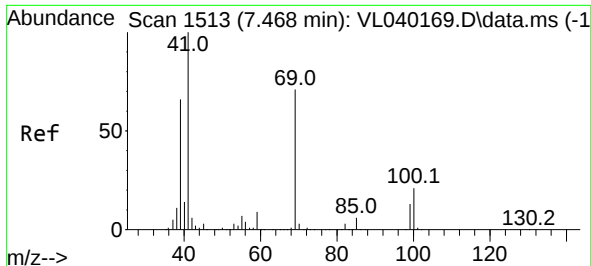
Tgt Ion: 42 Resp: 810241  
Ion Ratio Lower Upper  
42 100  
72 41.1 33.0 49.4  
71 38.9 31.4 47.2



#42  
Bromodichloromethane  
Concen: 9.919 ppbv  
RT: 7.269 min Scan# 1451  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 83 Resp: 1654168  
Ion Ratio Lower Upper  
83 100  
85 62.6 50.9 76.3  
127 7.5 6.2 9.2

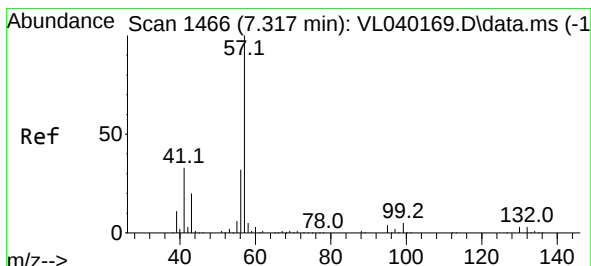
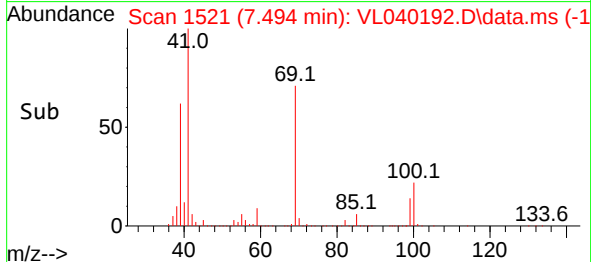
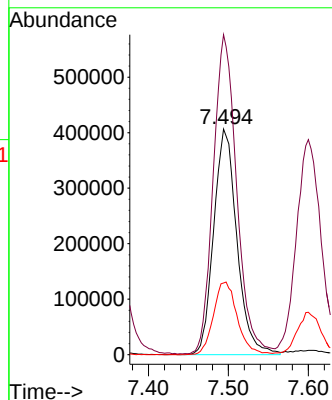
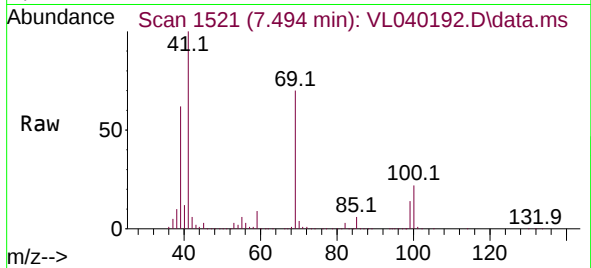




#43  
Methyl Methacrylate  
Concen: 11.456 ppbv  
RT: 7.494 min Scan# 11  
Delta R.T. 0.026 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

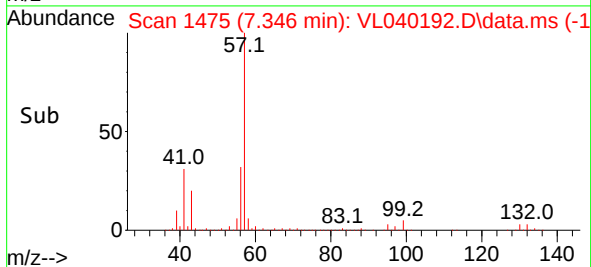
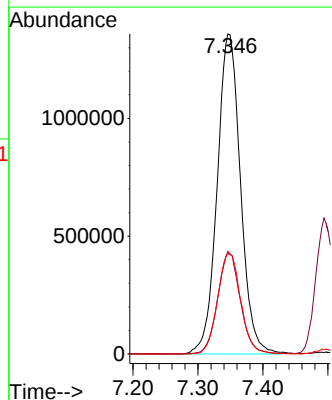
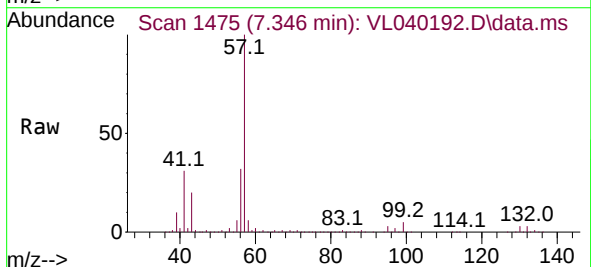
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

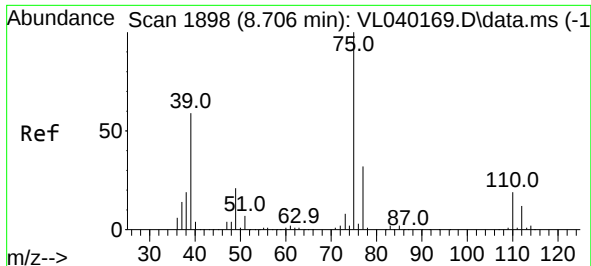
Tgt Ion: 69 Resp: 818955  
Ion Ratio Lower Upper  
69 100  
41 143.2 116.6 174.8  
100 33.1 25.6 38.4



#44  
2,2,4-Trimethylpentane  
Concen: 10.479 ppbv  
RT: 7.346 min Scan# 1475  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 57 Resp: 3379467  
Ion Ratio Lower Upper  
57 100  
41 30.9 26.2 39.4  
56 31.2 24.9 37.3





#45

t-1,3-Dichloropropene

Concen: 12.073 ppbv

RT: 8.735 min Scan# 1907

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

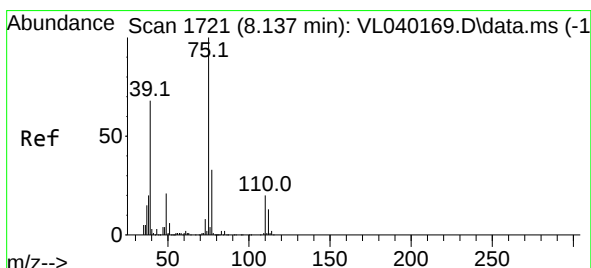
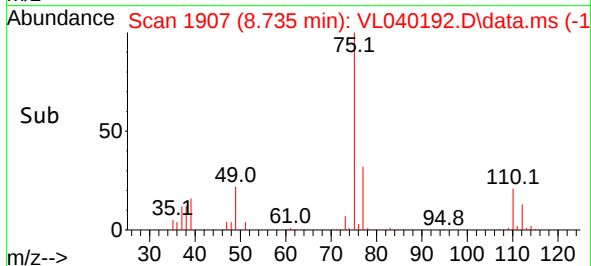
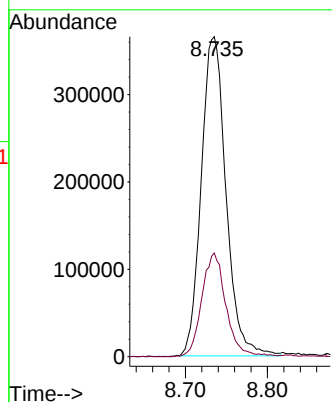
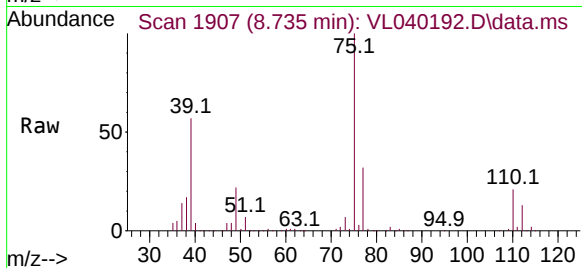
VSTDCCC010

Tgt Ion: 75 Resp: 765550

Ion Ratio Lower Upper

75 100

77 32.4 25.7 38.5



#46

cis-1,3-Dichloropropene

Concen: 11.712 ppbv

RT: 8.163 min Scan# 1729

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

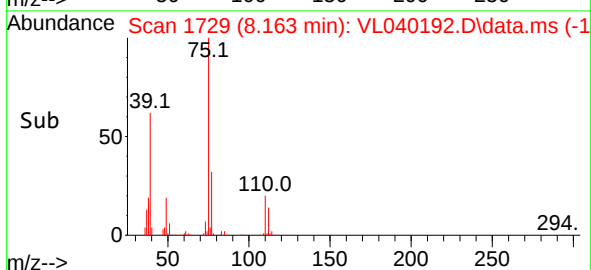
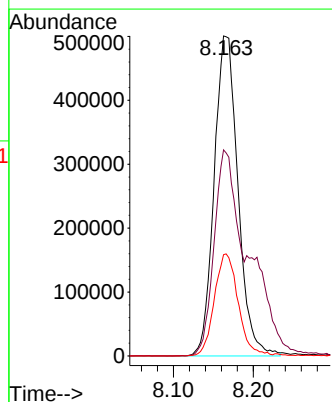
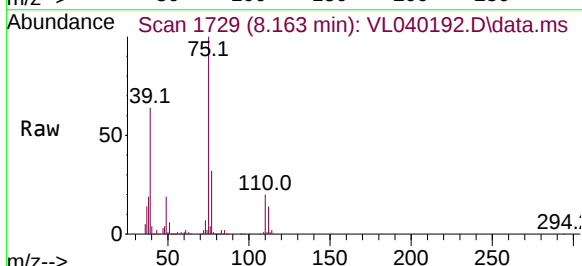
Tgt Ion: 75 Resp: 1034631

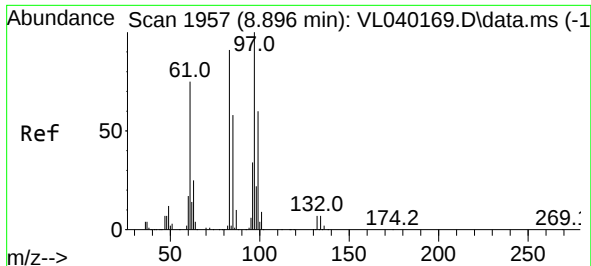
Ion Ratio Lower Upper

75 100

39 64.3 54.2 81.2

77 31.7 26.0 39.0





#47

1,1,2-Trichloroethane

Concen: 10.114 ppbv

RT: 8.925 min Scan# 1957

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 822152

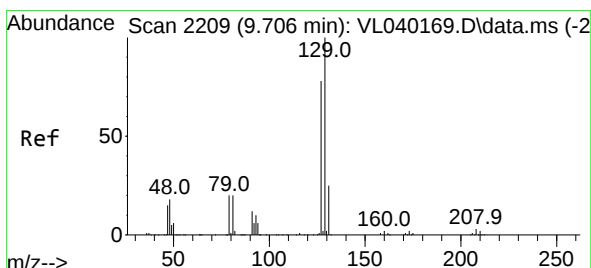
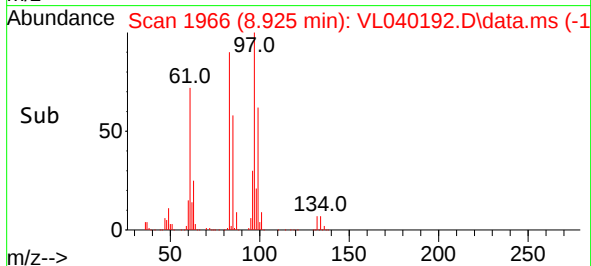
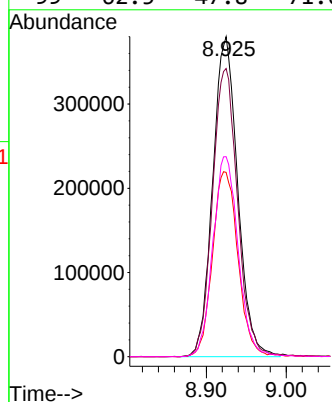
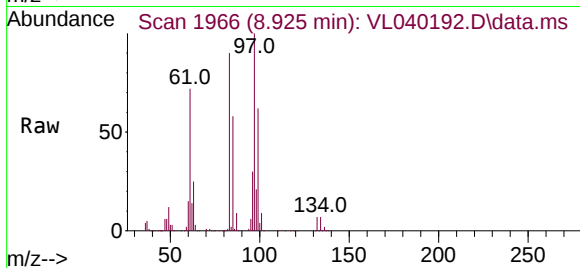
Ion Ratio Lower Upper

97 100

83 90.0 72.8 109.2

85 57.6 46.6 69.8

99 62.5 47.8 71.6



#48

Dibromochloromethane

Concen: 10.576 ppbv

RT: 9.735 min Scan# 2218

Delta R.T. 0.029 min

Lab File: VL040192.D

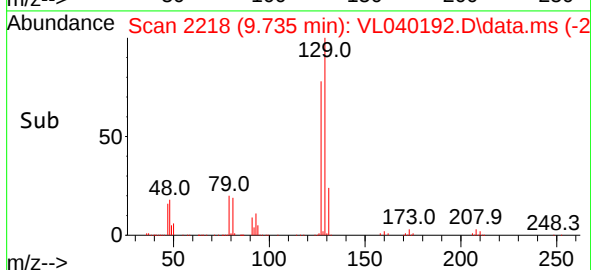
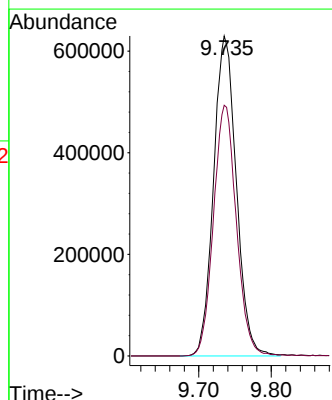
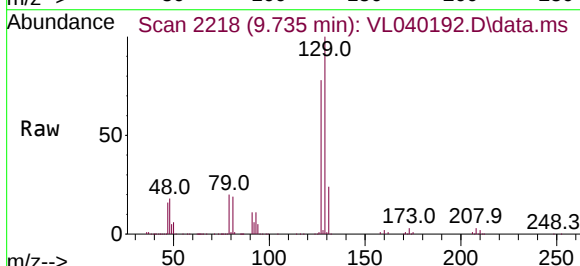
Acq: 21 Feb 2023 12:09

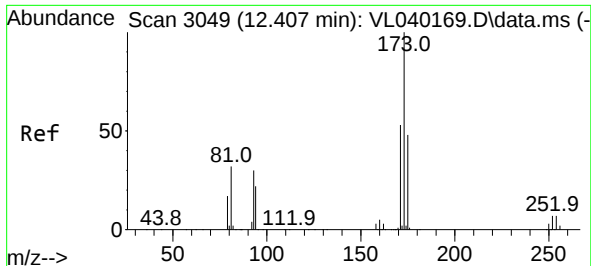
Tgt Ion: 129 Resp: 1375112

Ion Ratio Lower Upper

129 100

127 79.0 39.1 117.2

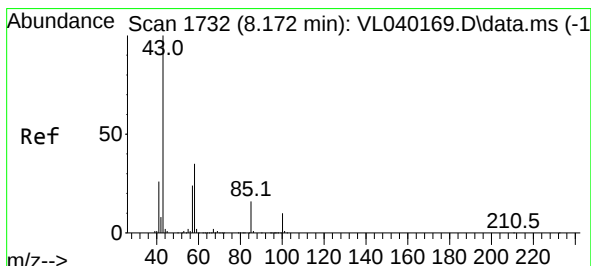
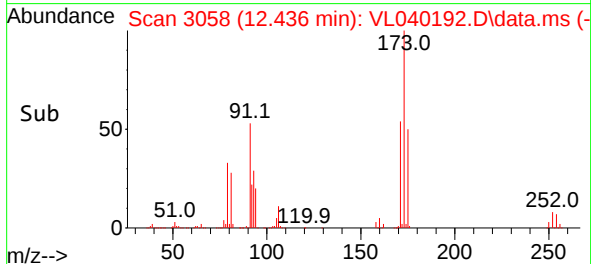
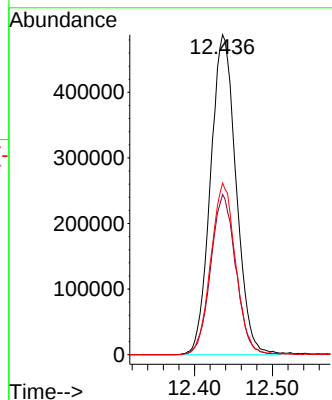
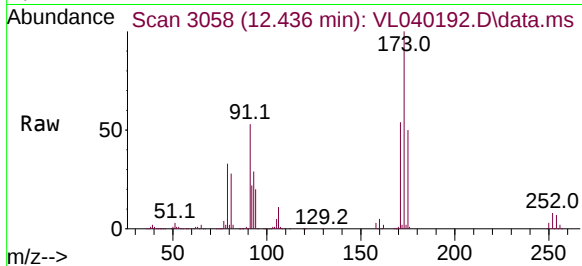




#49  
Bromoform  
Concen: 10.942 ppbv  
RT: 12.436 min Scan# 3049  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

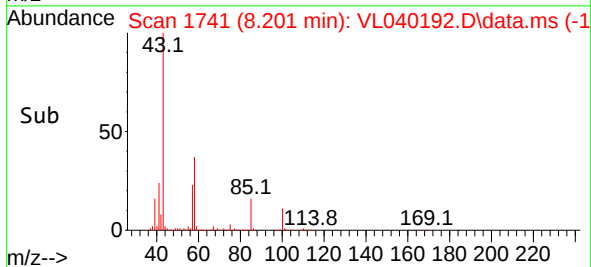
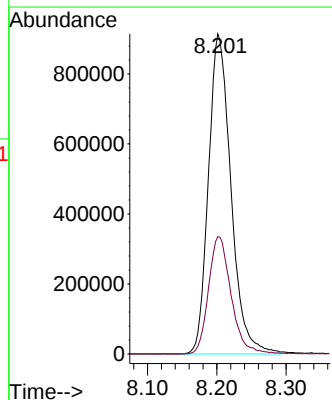
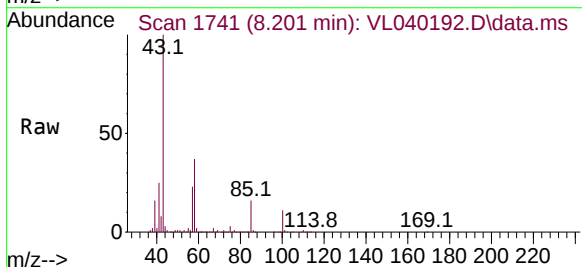
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

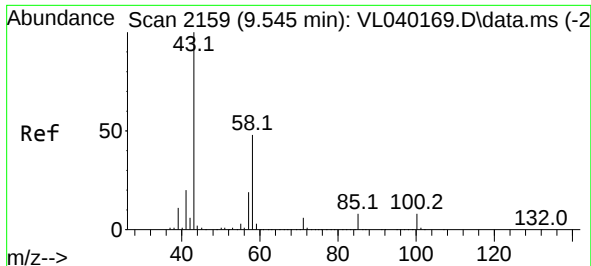
Tgt Ion:173 Resp: 1110401  
Ion Ratio Lower Upper  
173 100  
175 49.3 39.4 59.0  
171 52.5 41.8 62.6



#50  
4-Methyl-2-Pentanone  
Concen: 10.844 ppbv  
RT: 8.201 min Scan# 1741  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 43 Resp: 2061951  
Ion Ratio Lower Upper  
43 100  
58 36.9 29.2 43.8

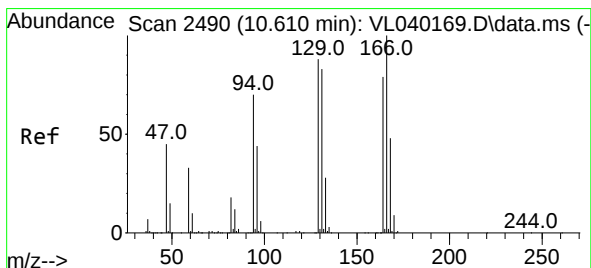
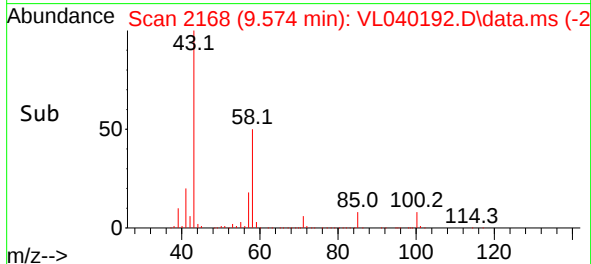
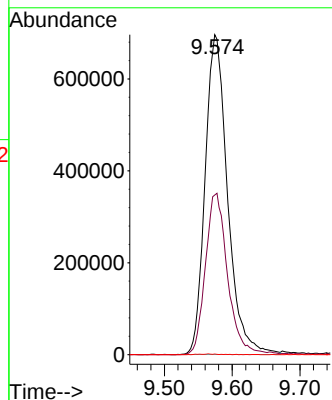
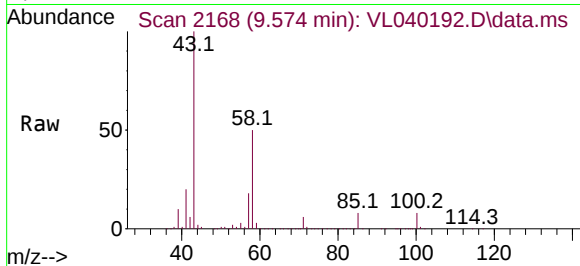




#51  
2-Hexanone  
Concen: 10.969 ppbv  
RT: 9.574 min Scan# 2159  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

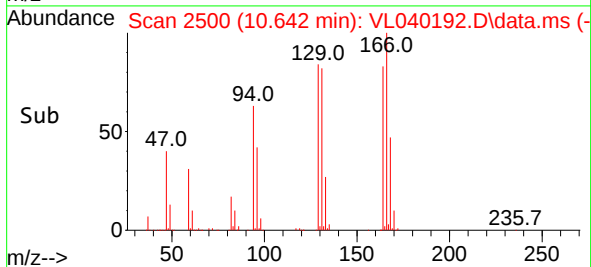
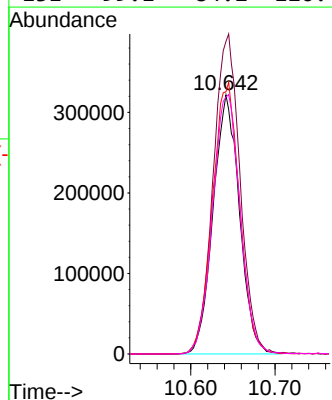
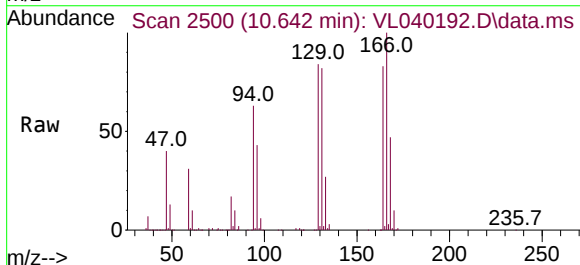
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

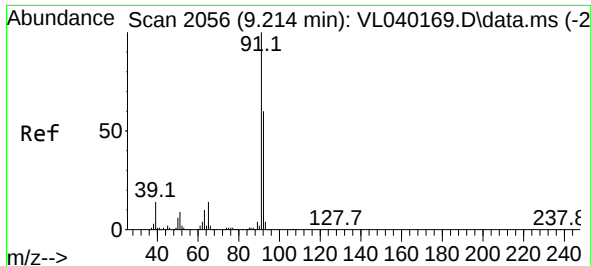
Tgt Ion: 43 Resp: 1604095  
Ion Ratio Lower Upper  
43 100  
58 50.3 39.1 58.7  
98 0.2 0.2 0.4#



#52  
Tetrachloroethene  
Concen: 11.530 ppbv  
RT: 10.642 min Scan# 2500  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion:164 Resp: 695593  
Ion Ratio Lower Upper  
164 100  
166 120.5 101.5 152.3  
129 101.1 89.0 133.4  
131 99.1 84.2 126.4

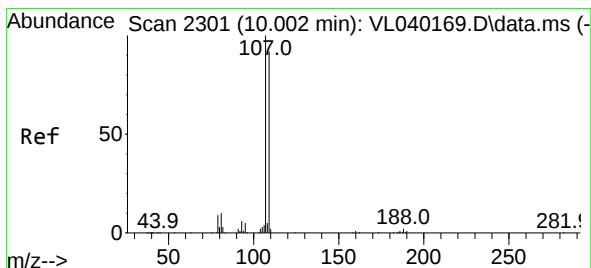
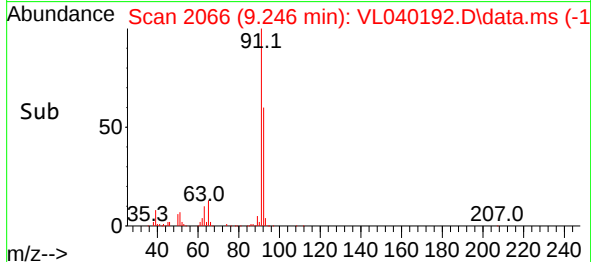
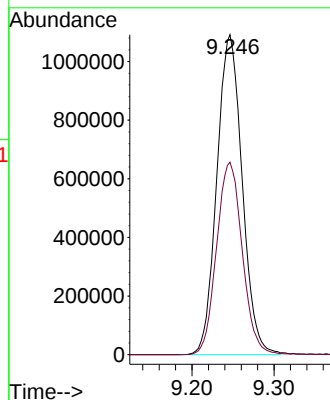
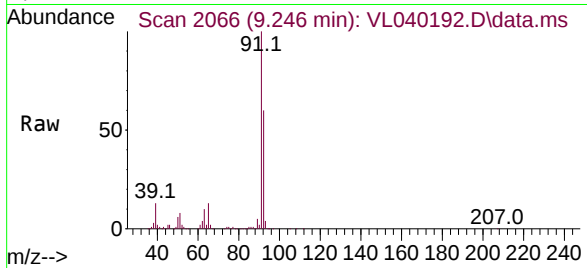




#53  
Toluene  
Concen: 11.341 ppbv  
RT: 9.246 min Scan# 2056  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

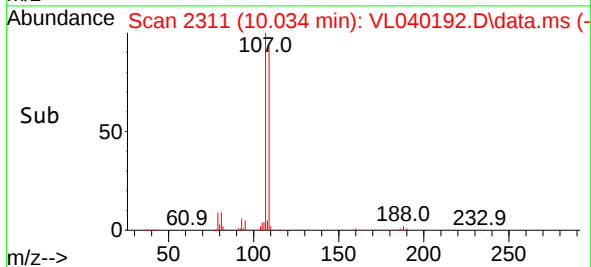
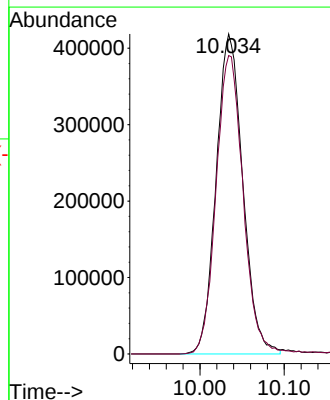
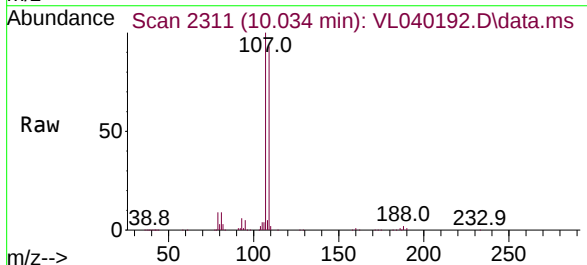
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

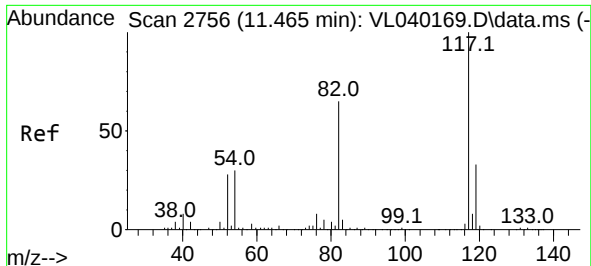
Tgt Ion: 91 Resp: 2346701  
Ion Ratio Lower Upper  
91 100  
92 61.1 48.9 73.3



#54  
1,2-Dibromoethane  
Concen: 10.858 ppbv  
RT: 10.034 min Scan# 2311  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 107 Resp: 918330  
Ion Ratio Lower Upper  
107 100  
109 93.2 73.8 110.8

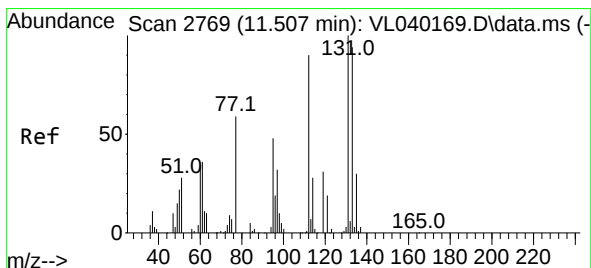
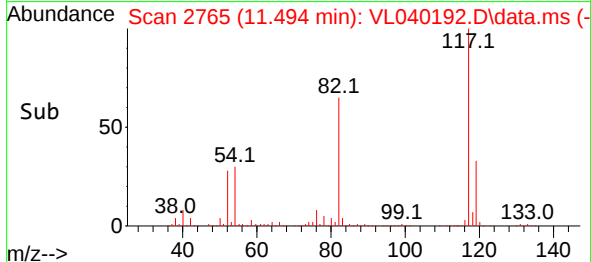
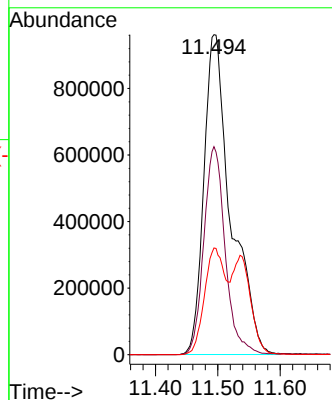
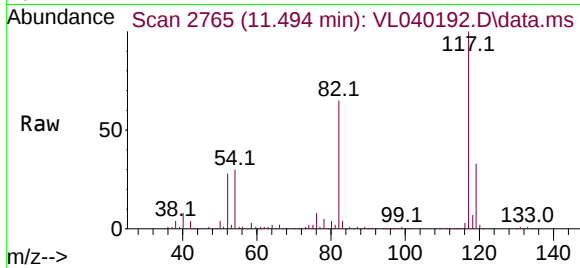




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.494 min Scan# 2765  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

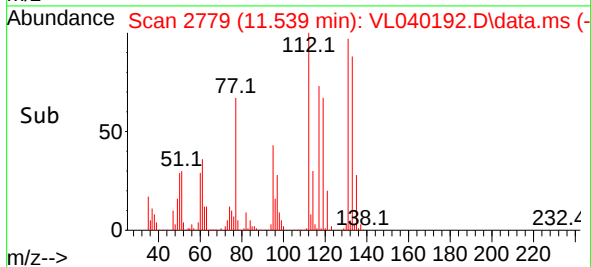
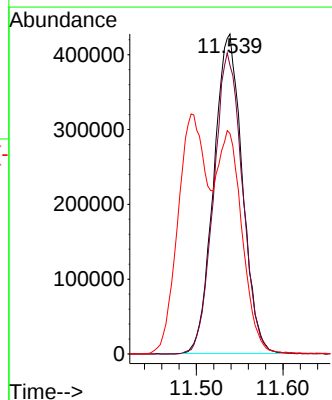
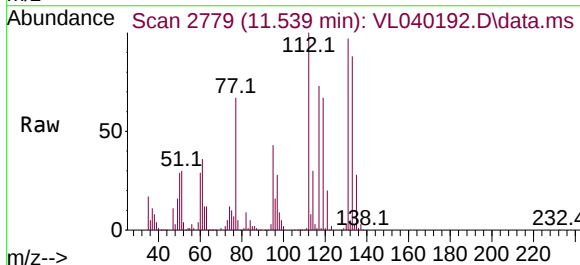
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

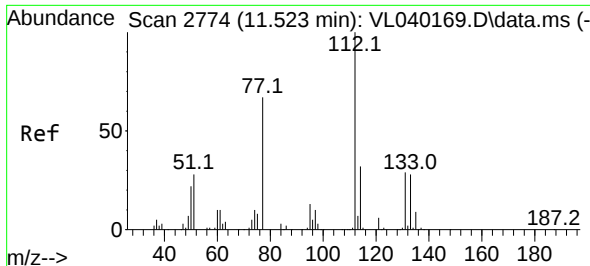
Tgt Ion:117 Resp: 2895098  
Ion Ratio Lower Upper  
117 100  
82 51.7 53.3 79.9#  
119 23.9 24.6 37.0#



#56  
1,1,1,2-Tetrachloroethane  
Concen: 8.051 ppbv  
RT: 11.539 min Scan# 2779  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion:131 Resp: 978387  
Ion Ratio Lower Upper  
131 100  
133 94.9 76.2 114.2  
119 64.9 45.4 68.0

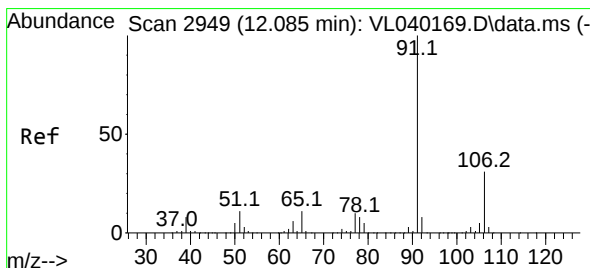
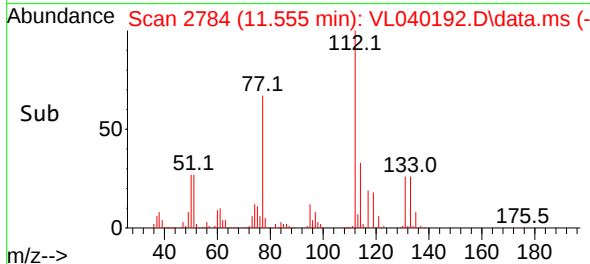
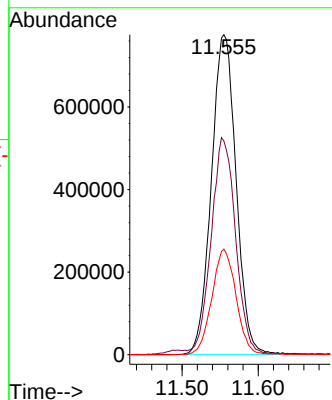
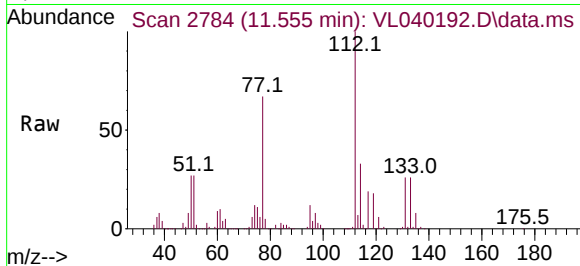




#57  
Chlorobenzene  
Concen: 8.265 ppbv  
RT: 11.555 min Scan# 21  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

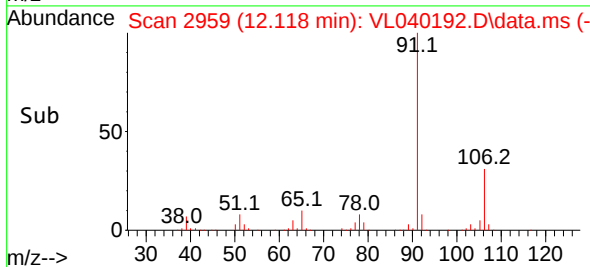
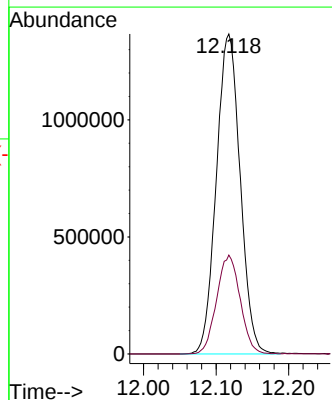
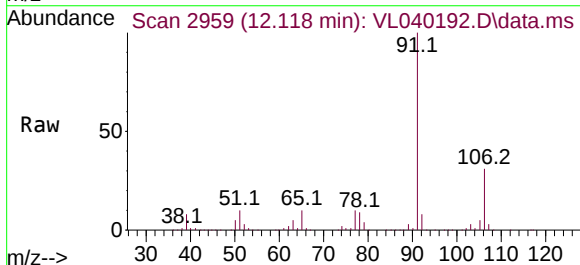
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MSVOA\_1  
ClientSampleId :  
VSTDCCC010

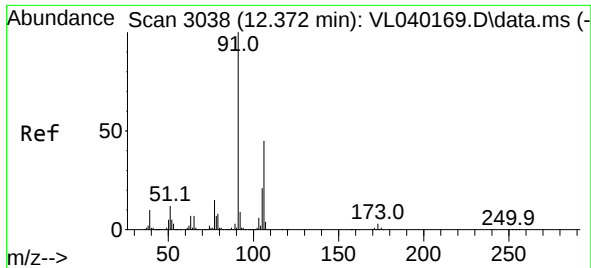
Tgt Ion:112 Resp: 1748075  
Ion Ratio Lower Upper  
112 100  
77 66.6 55.0 82.4  
114 33.0 29.0 35.4



#58  
Ethyl Benzene  
Concen: 8.862 ppbv  
RT: 12.118 min Scan# 2959  
Delta R.T. 0.033 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 91 Resp: 3117117  
Ion Ratio Lower Upper  
91 100  
106 30.9 24.9 37.3





#59

m/p-Xylene

Concen: 8.480 ppbv

RT: 12.397 min Scan# 3038

Delta R.T. 0.025 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

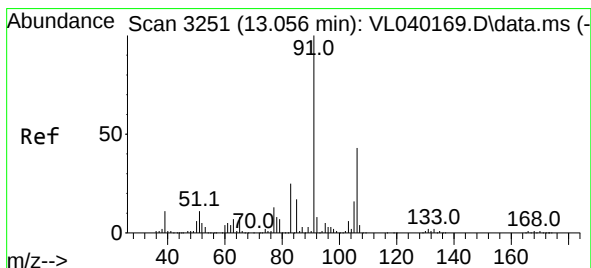
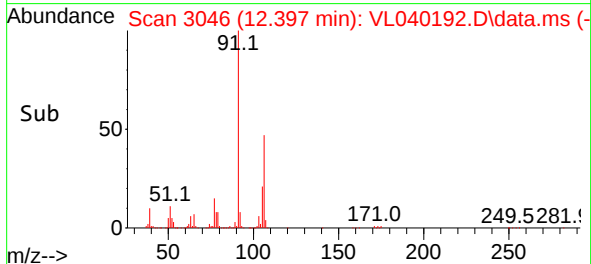
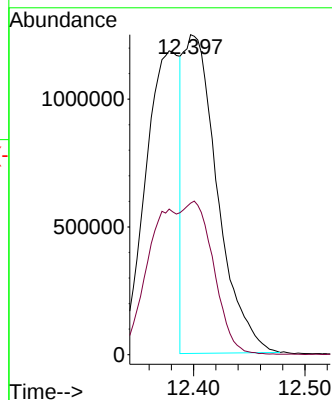
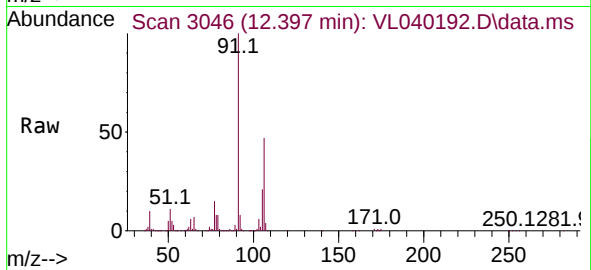
VSTDCCC010

Tgt Ion: 91 Resp: 2641954

Ion Ratio Lower Upper

91 100

106 88.3 34.6 51.8#



#60

o-Xylene

Concen: 8.273 ppbv

RT: 13.085 min Scan# 3260

Delta R.T. 0.029 min

Lab File: VL040192.D

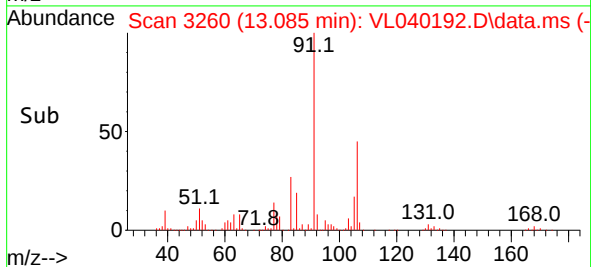
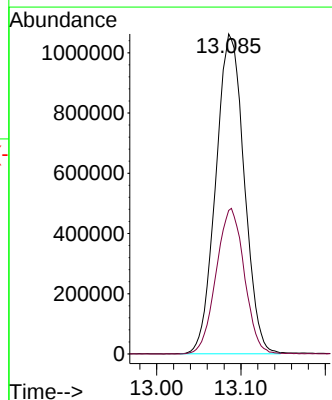
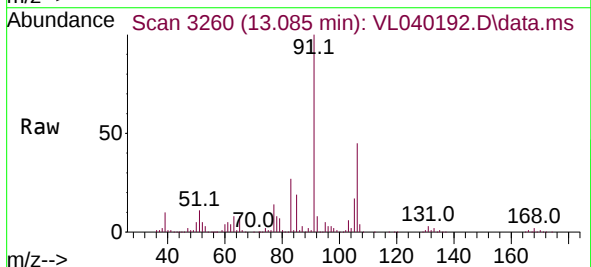
Acq: 21 Feb 2023 12:09

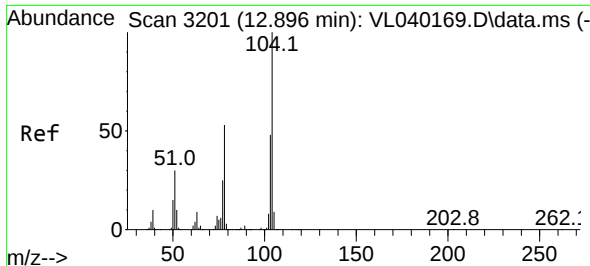
Tgt Ion: 91 Resp: 2480062

Ion Ratio Lower Upper

91 100

106 45.3 21.6 65.0

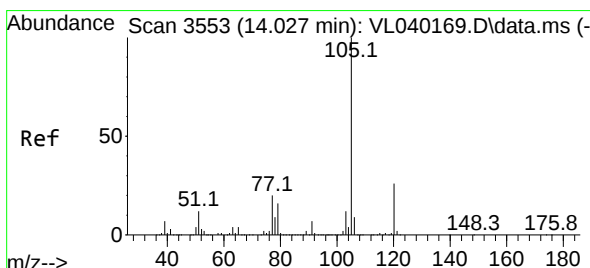
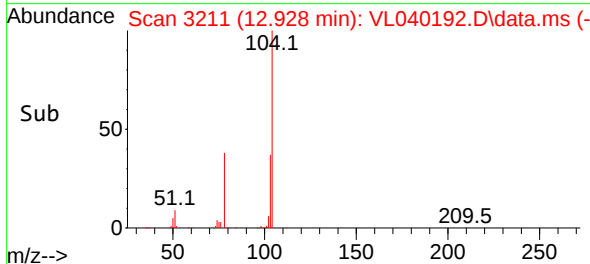
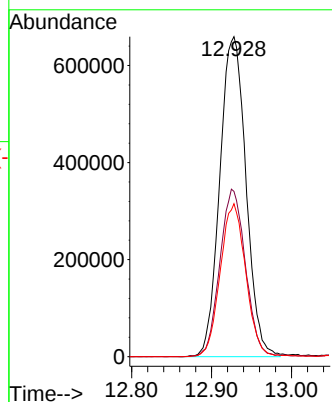
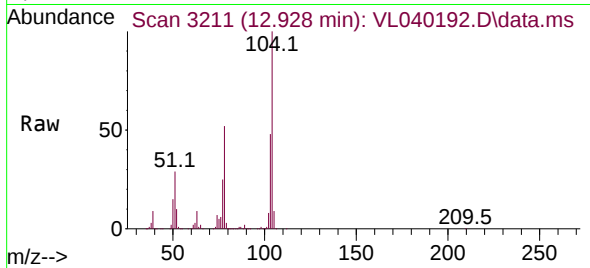




#61  
Styrene  
Concen: 9.530 ppbv  
RT: 12.928 min Scan# 31  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

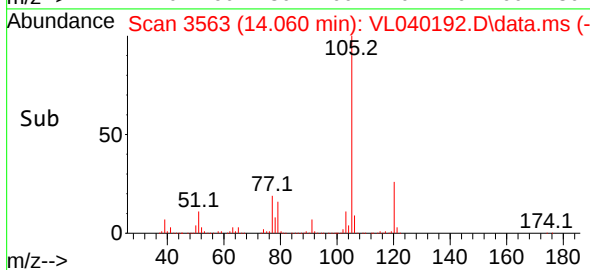
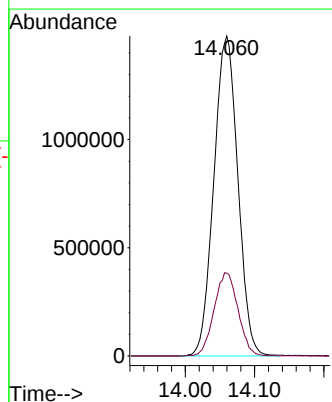
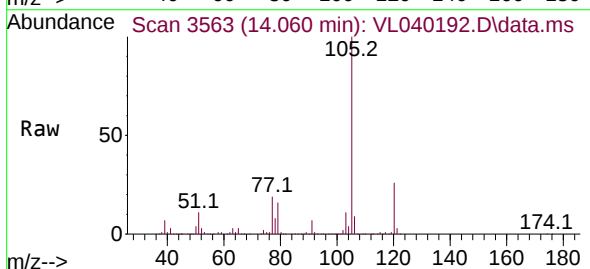
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDCCC010

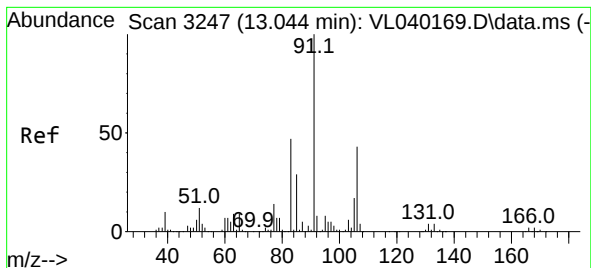
Tgt Ion:104 Resp: 1499968  
Ion Ratio Lower Upper  
104 100  
78 51.4 42.3 63.5  
103 46.7 37.5 56.3



#62  
Isopropylbenzene  
Concen: 8.265 ppbv  
RT: 14.060 min Scan# 3563  
Delta R.T. 0.033 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion:105 Resp: 3556438  
Ion Ratio Lower Upper  
105 100  
120 26.0 20.3 30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 7.624 ppbv

RT: 13.076 min Scan# 31

Delta R.T. 0.032 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

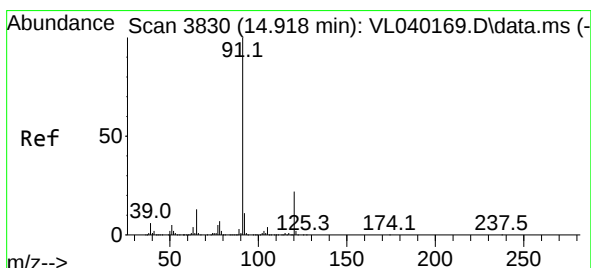
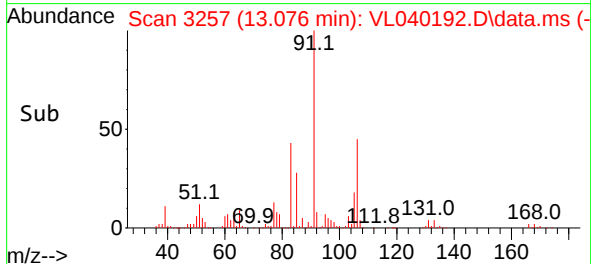
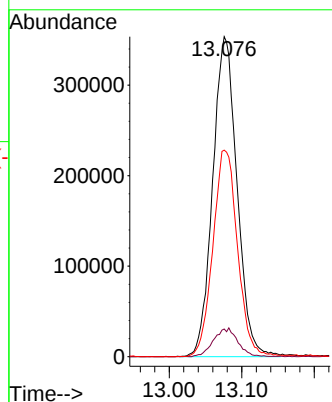
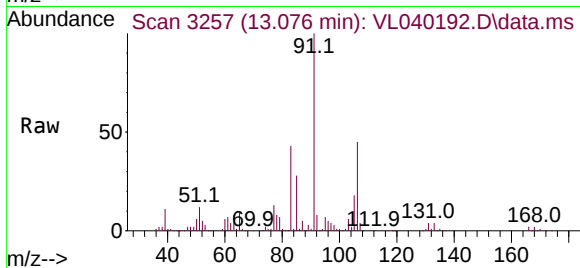
Tgt Ion: 83 Resp: 823575

Ion Ratio Lower Upper

83 100

131 9.0 4.4 13.2

85 66.0 33.0 99.0



#64

n-propylbenzene

Concen: 4.908 ppbv

RT: 14.941 min Scan# 3837

Delta R.T. 0.023 min

Lab File: VL040192.D

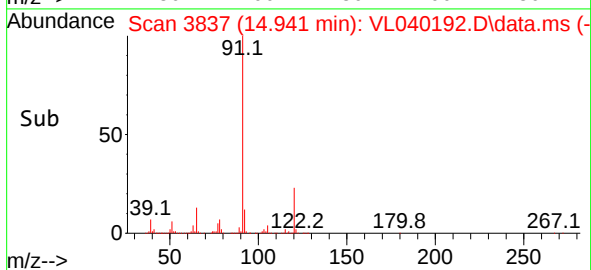
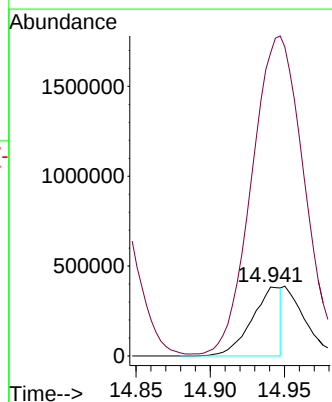
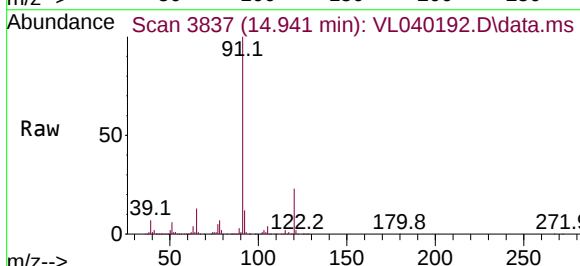
Acq: 21 Feb 2023 12:09

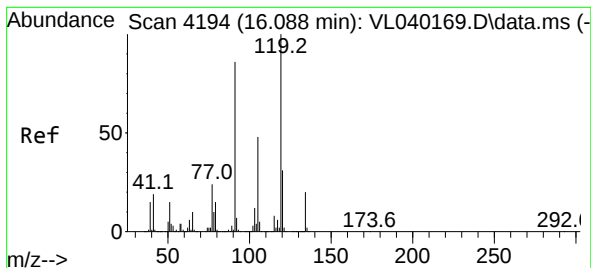
Tgt Ion:120 Resp: 522653

Ion Ratio Lower Upper

120 100

91 514.3 389.8 584.8





#65

tert-Butylbenzene

Concen: 8.225 ppbv

RT: 16.121 min Scan# 4194

Delta R.T. 0.033 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

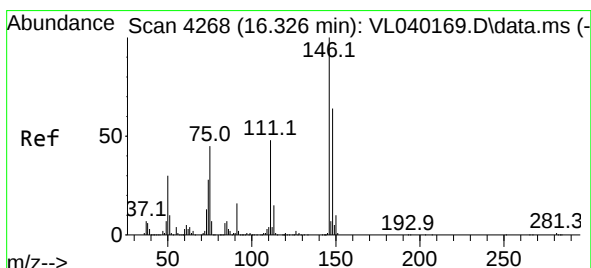
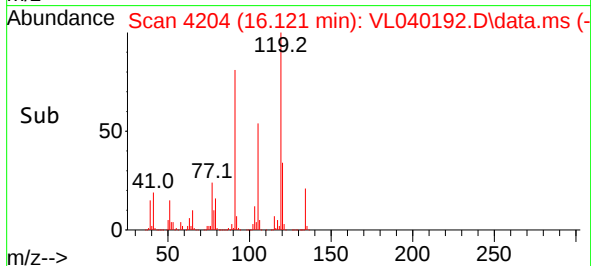
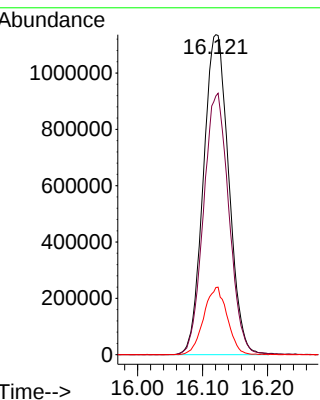
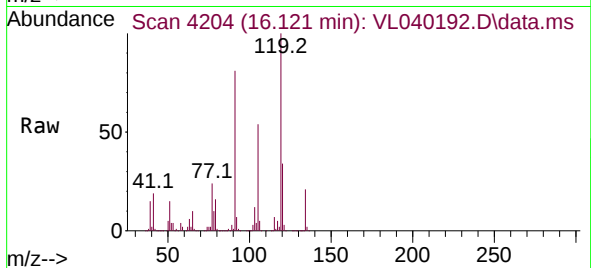
Tgt Ion:119 Resp: 3076682

Ion Ratio Lower Upper

119 100

91 81.6 68.6 102.8

134 19.6 15.9 23.9



#66

Benzyl Chloride

Concen: 8.209 ppbv

RT: 16.359 min Scan# 4278

Delta R.T. 0.033 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

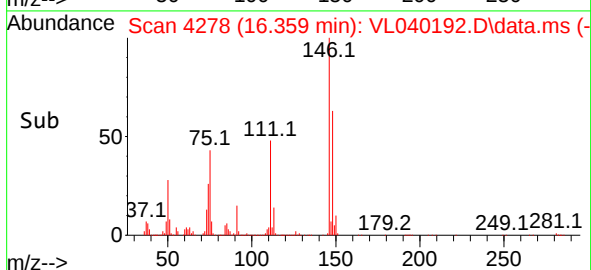
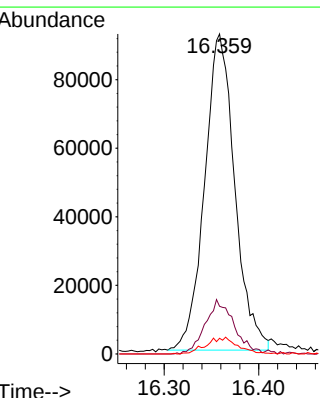
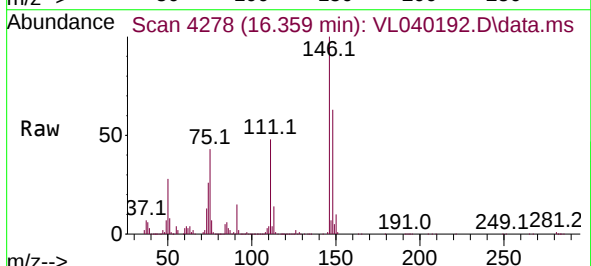
Tgt Ion: 91 Resp: 204320

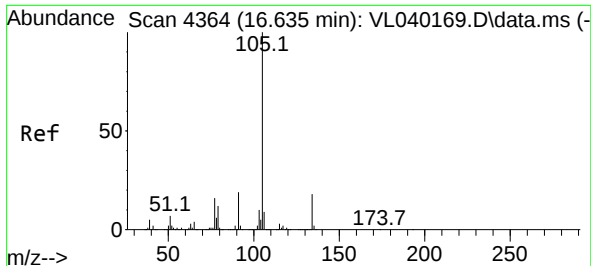
Ion Ratio Lower Upper

91 100

126 16.8 13.1 19.7

128 5.5 4.1 6.1





#67

sec-Butylbenzene

Concen: 8.096 ppbv

RT: 16.667 min Scan# 41

Delta R.T. 0.032 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

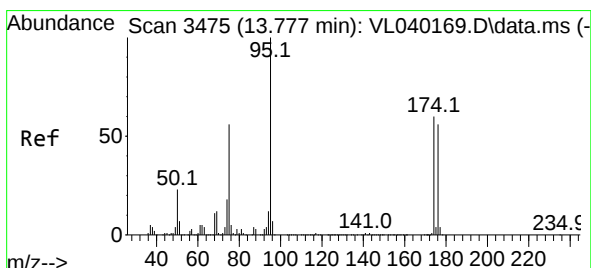
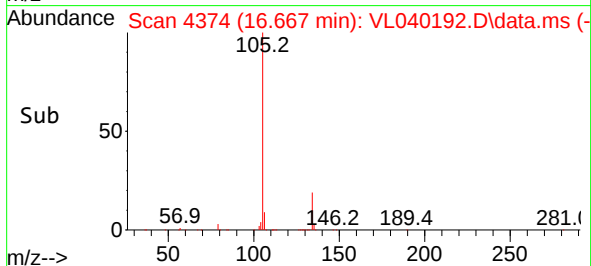
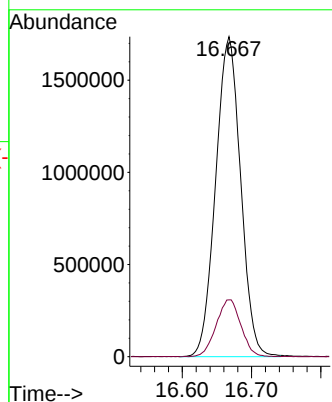
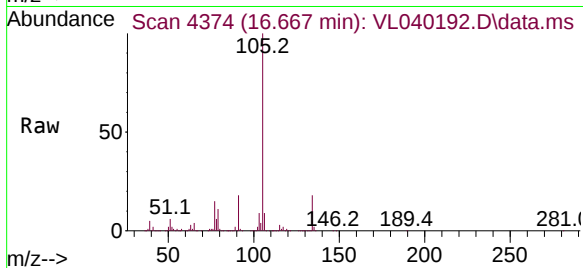
VSTDCCC010

Tgt Ion:105 Resp: 4342678

Ion Ratio Lower Upper

105 100

134 17.7 14.1 21.1



#68

1-Bromo-4-Fluorobenzene

Concen: 7.266 ppbv

RT: 13.806 min Scan# 3484

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

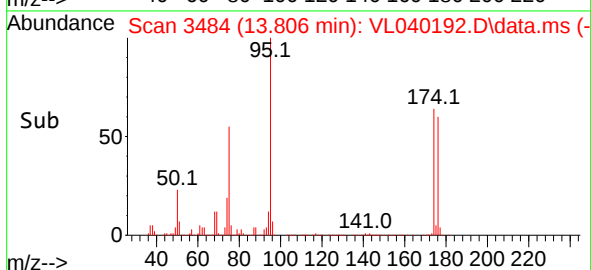
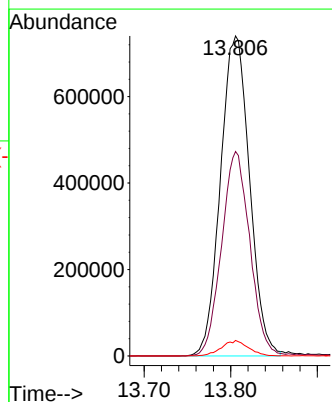
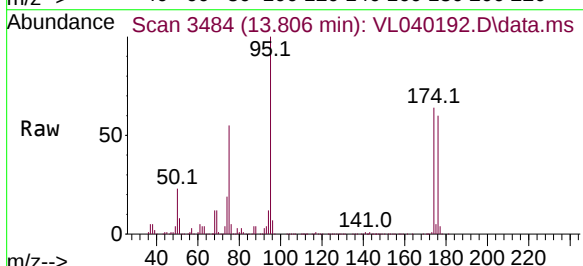
Tgt Ion: 95 Resp: 1729802

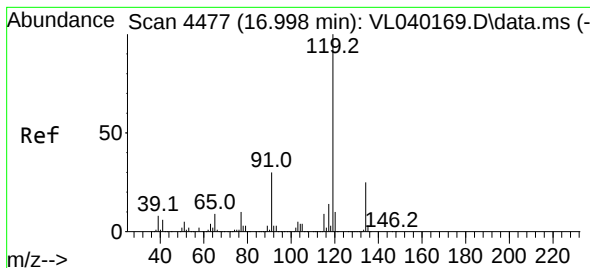
Ion Ratio Lower Upper

95 100

174 62.5 48.2 72.2

175 4.5 3.4 5.2





#69

p-Isopropyltoluene

Concen: 8.332 ppbv

RT: 17.024 min Scan# 4477

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

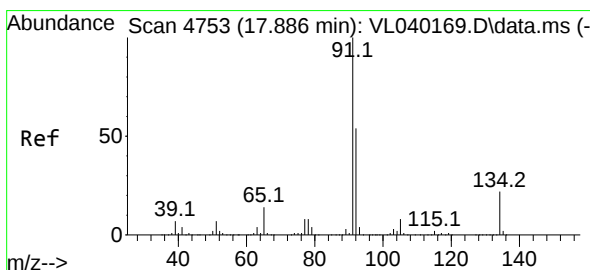
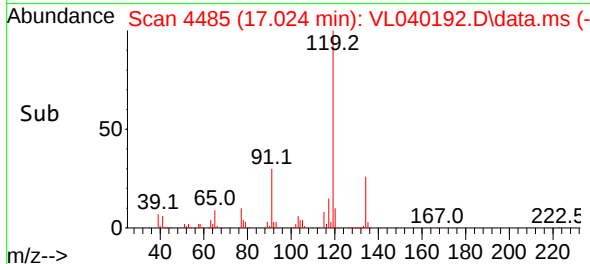
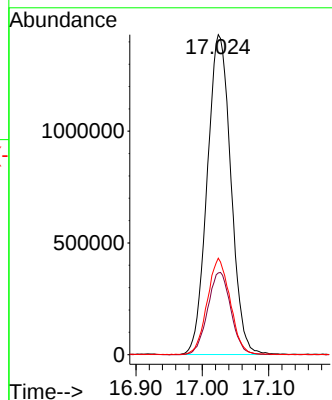
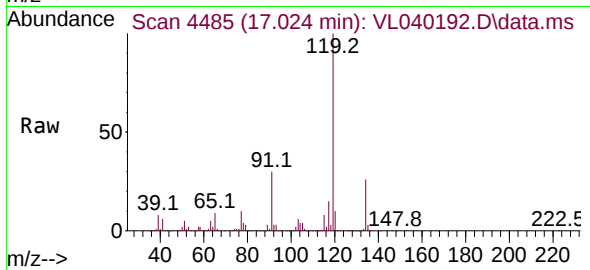
Tgt Ion:119 Resp: 3543474

Ion Ratio Lower Upper

119 100

134 25.4 20.2 30.2

91 29.2 24.7 37.1



#70

n-Butylbenzene

Concen: 7.988 ppbv

RT: 17.918 min Scan# 4763

Delta R.T. 0.032 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

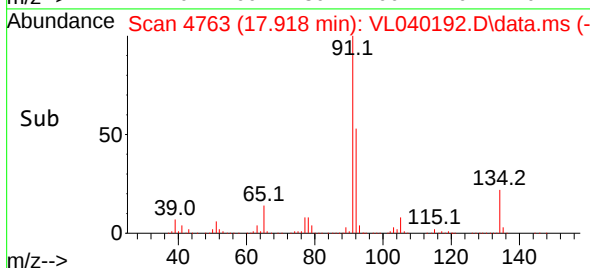
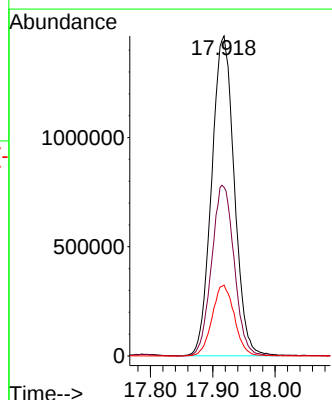
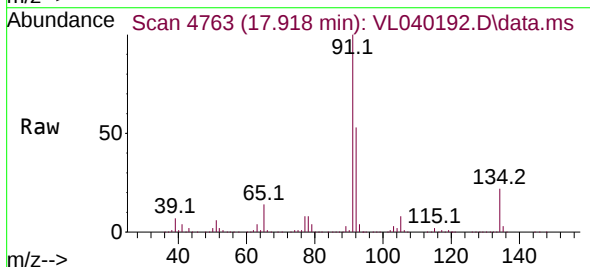
Tgt Ion: 91 Resp: 3686881

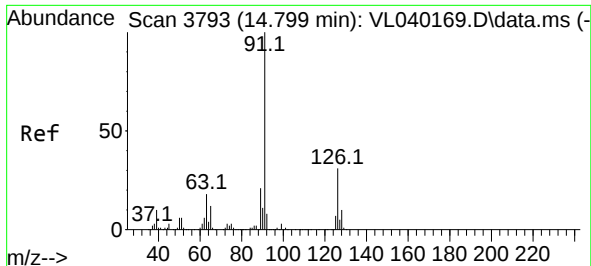
Ion Ratio Lower Upper

91 100

92 53.4 43.0 64.6

134 21.9 16.9 25.3

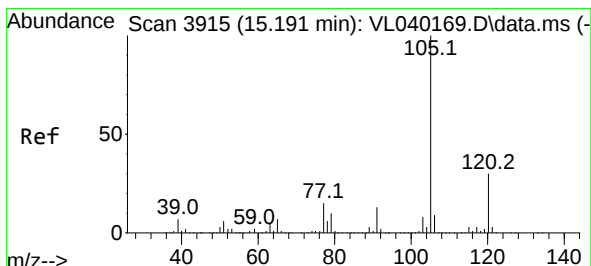
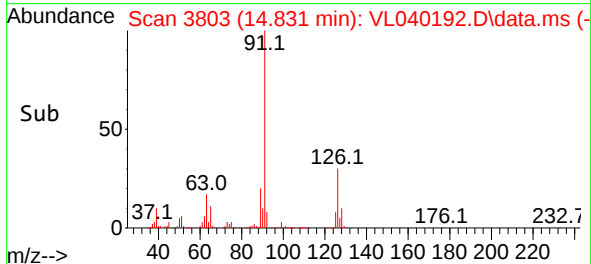
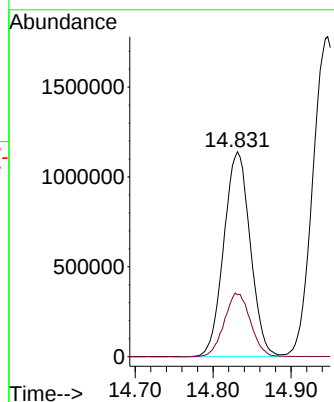
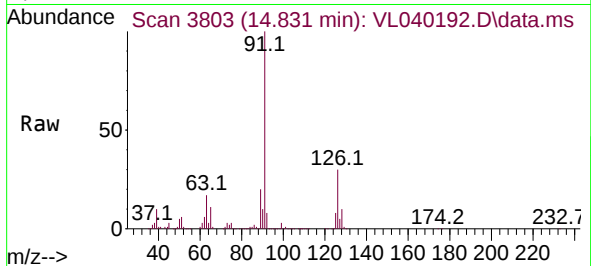




#71  
2-Chlorotoluene  
Concen: 8.165 ppbv  
RT: 14.831 min Scan# 3803  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

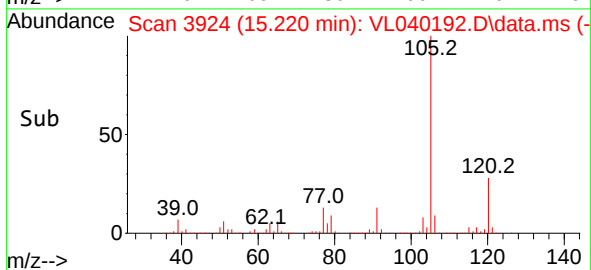
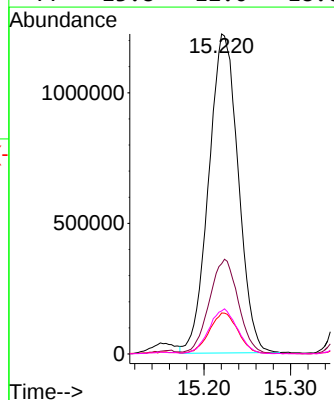
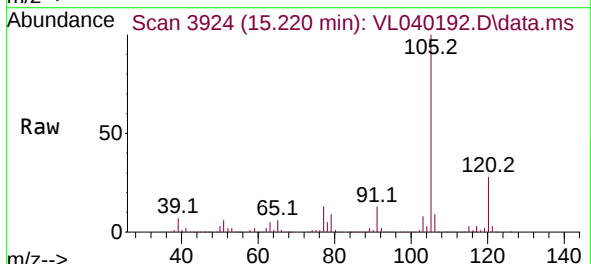
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

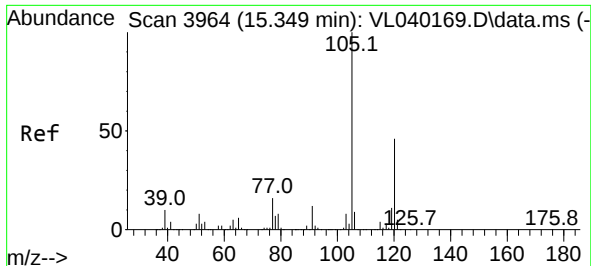
Tgt Ion: 91 Resp: 2687176  
Ion Ratio Lower Upper  
91 100  
126 30.8 12.0 48.2



#72  
4-Ethyltoluene  
Concen: 8.720 ppbv  
RT: 15.220 min Scan# 3924  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion: 105 Resp: 2889843  
Ion Ratio Lower Upper  
105 100  
120 30.3 23.2 34.8  
91 12.4 11.3 16.9  
77 13.8 12.0 18.0

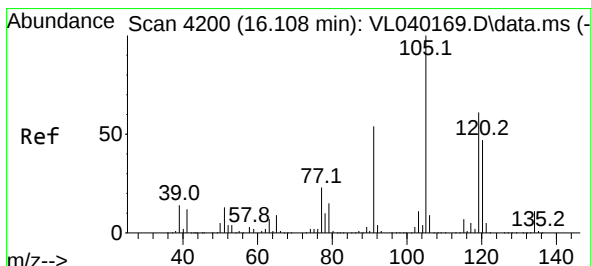
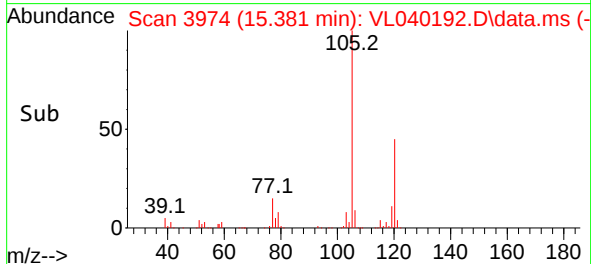
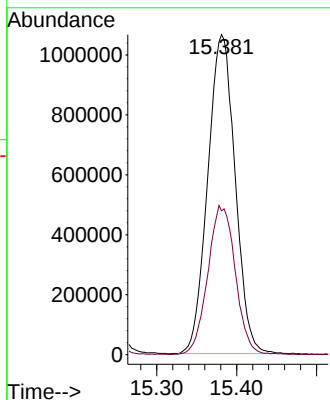
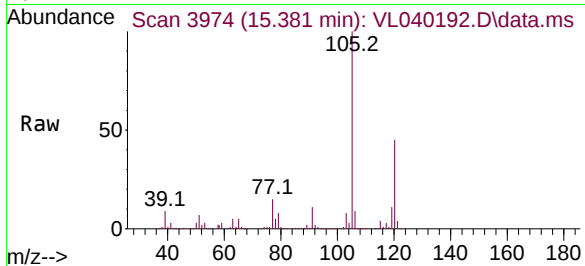




#73  
1,3,5-Trimethylbenzene  
Concen: 8.204 ppbv  
RT: 15.381 min Scan# 3964  
Delta R.T. 0.032 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

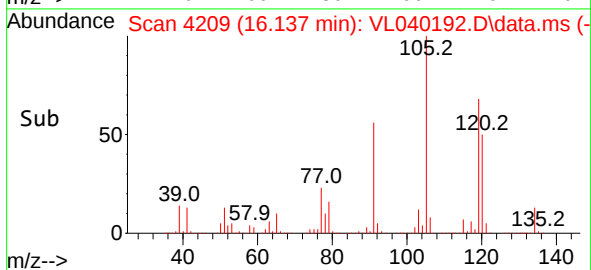
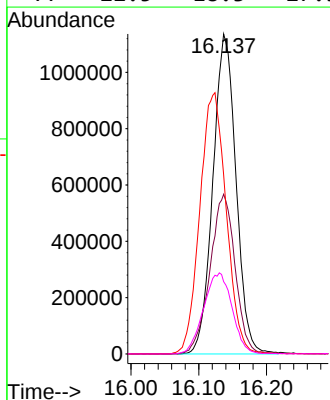
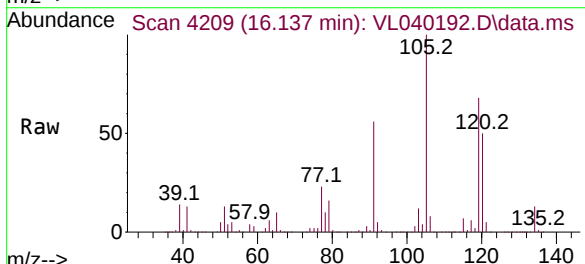
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDCCC010

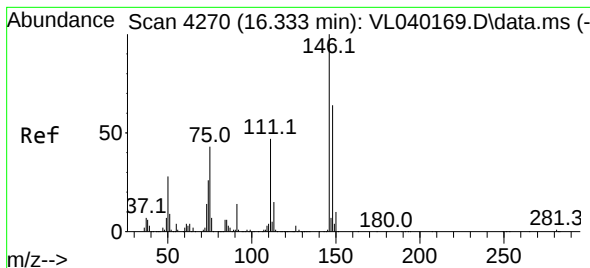
Tgt Ion:105 Resp: 2529823  
Ion Ratio Lower Upper  
105 100  
120 44.9 36.8 55.2



#74  
1,2,4-Trimethylbenzene  
Concen: 7.931 ppbv  
RT: 16.137 min Scan# 4209  
Delta R.T. 0.029 min  
Lab File: VL040192.D  
Acq: 21 Feb 2023 12:09

Tgt Ion:105 Resp: 2686413  
Ion Ratio Lower Upper  
105 100  
120 49.8 37.9 56.9  
91 55.8 43.7 65.5  
77 22.5 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 8.196 ppbv

RT: 16.362 min Scan# 41

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

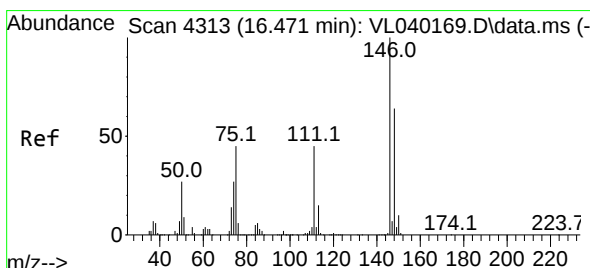
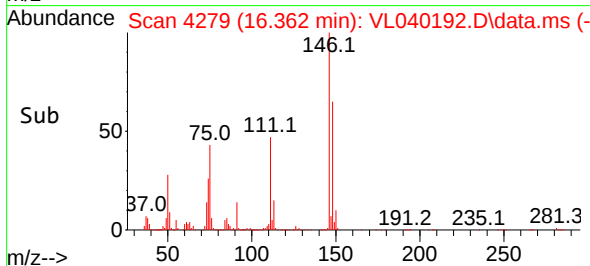
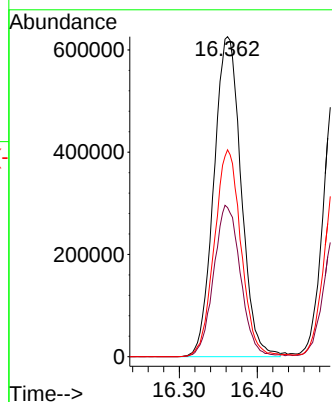
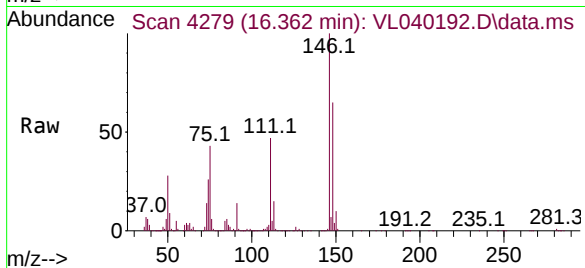
Tgt Ion:146 Resp: 1519220

Ion Ratio Lower Upper

146 100

111 46.7 23.9 71.8

148 63.6 32.1 96.5



#76

1,4-Dichlorobenzene

Concen: 8.060 ppbv

RT: 16.503 min Scan# 4323

Delta R.T. 0.032 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

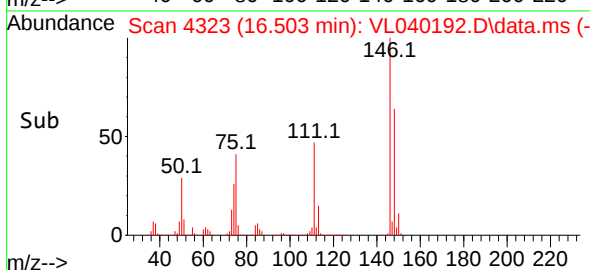
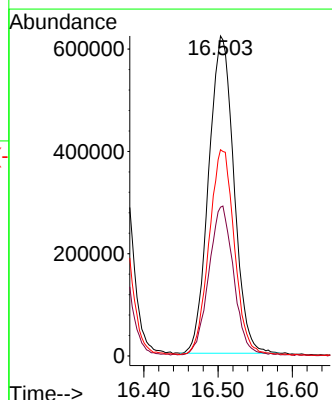
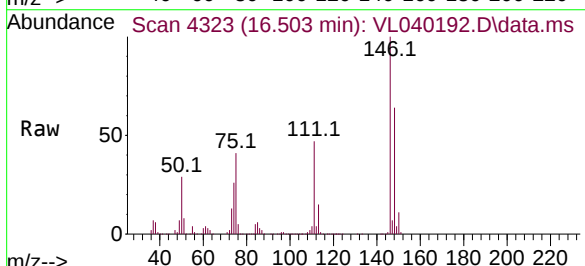
Tgt Ion:146 Resp: 1464022

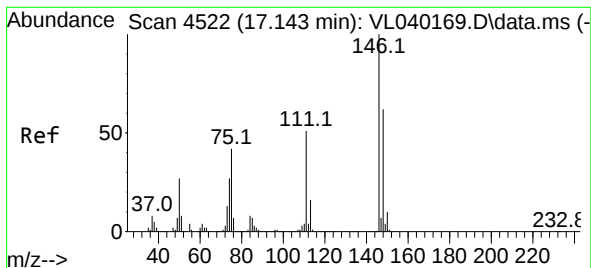
Ion Ratio Lower Upper

146 100

111 47.4 23.5 70.5

148 66.1 32.5 97.4





#77

1,2-Dichlorobenzene

Concen: 7.890 ppbv

RT: 17.178 min Scan# 41

Delta R.T. 0.035 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010

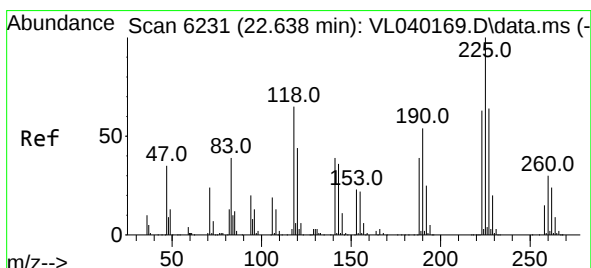
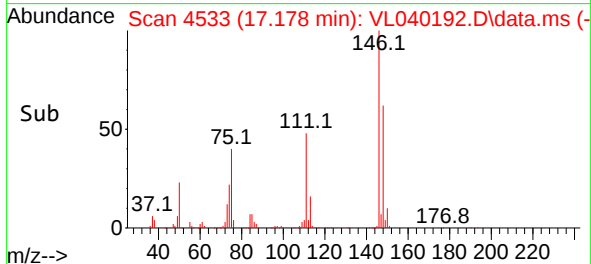
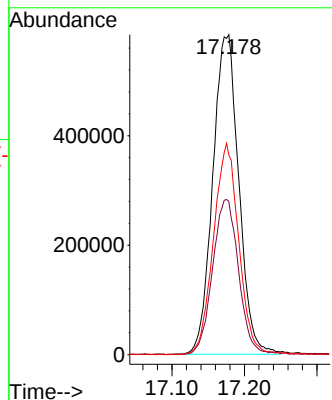
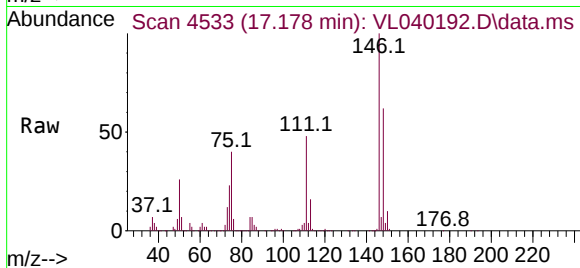
Tgt Ion:146 Resp: 1452665

Ion Ratio Lower Upper

146 100

111 49.2 25.3 75.8

148 64.5 32.0 96.2



#78

Hexachloro-1,3-Butadiene

Concen: 7.385 ppbv

RT: 22.667 min Scan# 6240

Delta R.T. 0.029 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

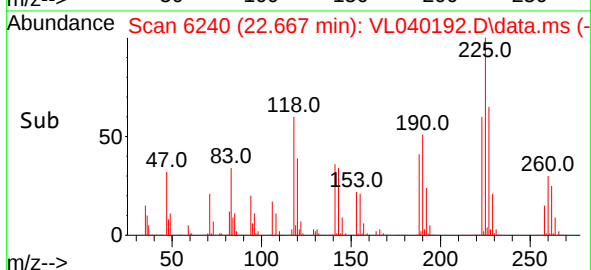
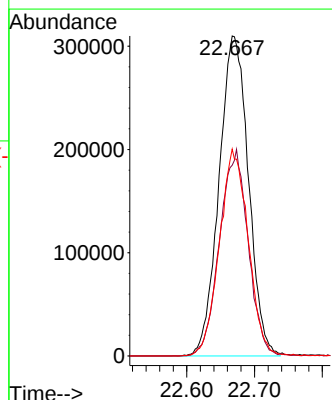
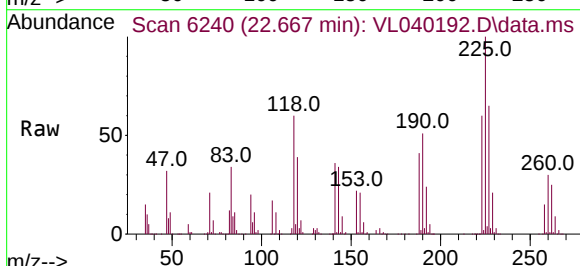
Tgt Ion:225 Resp: 934233

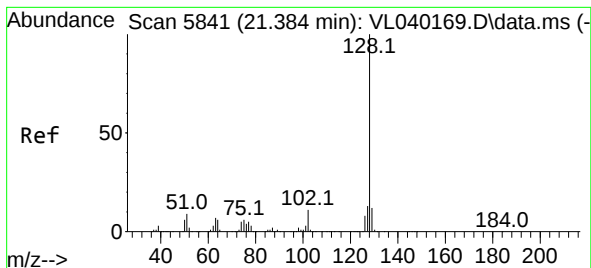
Ion Ratio Lower Upper

225 100

223 62.8 51.0 76.6

227 63.4 51.2 76.8





#79

Naphthalene

Concen: 9.810 ppbv

RT: 21.419 min Scan# 5852

Delta R.T. 0.035 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_1

ClientSampleId :

VSTDCCC010

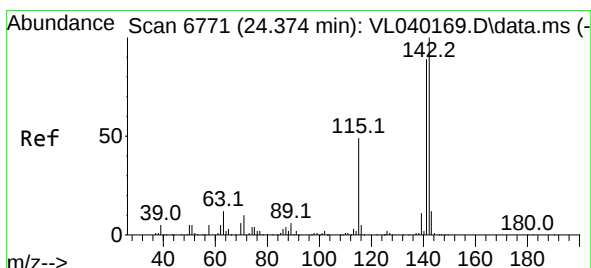
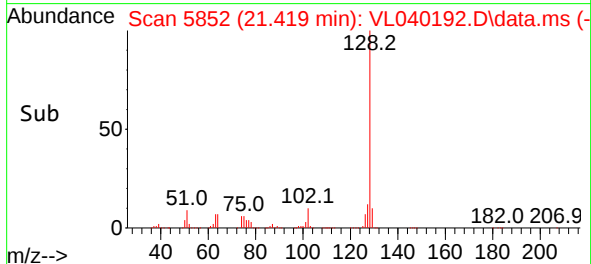
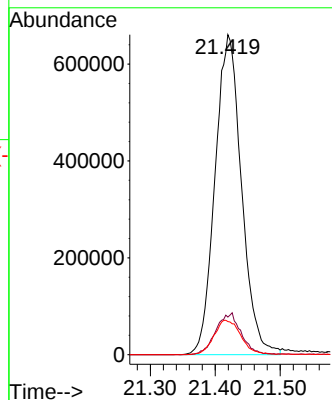
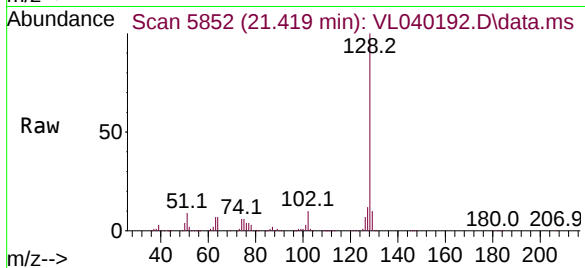
Tgt Ion:128 Resp: 1866656

Ion Ratio Lower Upper

128 100

127 11.8 10.2 15.4

129 10.4 9.4 14.0



#80

Naphthalene,2-methyl-

Concen: 9.871 ppbv

RT: 24.400 min Scan# 6779

Delta R.T. 0.026 min

Lab File: VL040192.D

Acq: 21 Feb 2023 12:09

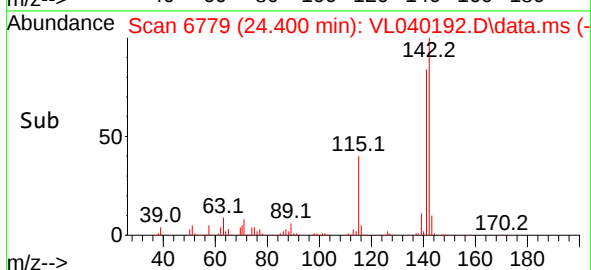
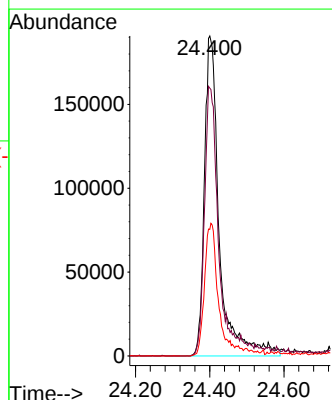
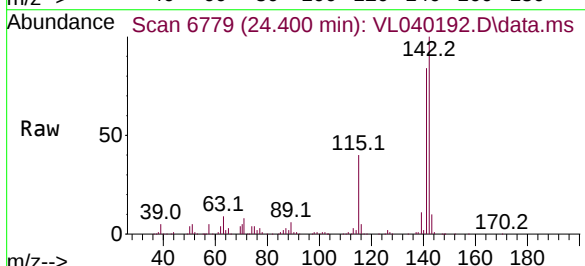
Tgt Ion:142 Resp: 534152

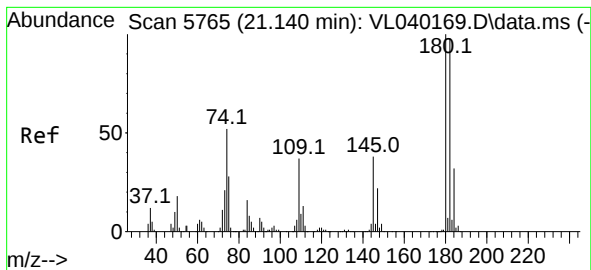
Ion Ratio Lower Upper

142 100

141 81.4 67.3 100.9

115 40.4 36.5 54.7





#81

1,2,4-Trichlorobenzene

Concen: 8.452 ppbv

RT: 21.175 min Scan# 51

Delta R.T. 0.035 min

Lab File: VL040192.D

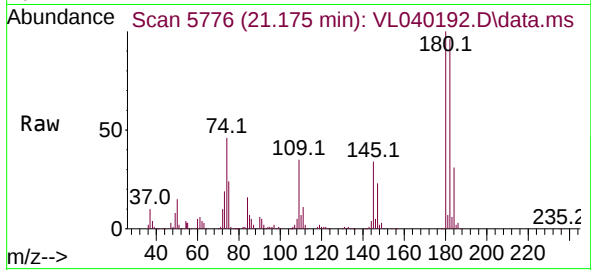
Acq: 21 Feb 2023 12:09

Instrument :

MSVOA\_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1006439

Ion Ratio Lower Upper

180 100

182 97.6 79.0 118.6

184 30.7 24.6 36.8

