

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072524\  
 Data File : VL041399.D  
 Acq On : 25 Jul 2024 13:59  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Jul 26 02:41:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Jul 25 14:31:18 2024  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.176  | 49   | 1227171  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.645  | 114  | 3353351  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.465 | 117  | 3929836  | 10.000 | ppbv  | # 0.00   |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.770 | 95    | 2550034  | 8.658    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 86.600% |

| Target Compounds              |       |     |         |        |      | Qvalue |
|-------------------------------|-------|-----|---------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 2.706 | 85  | 1748662 | 8.351  | ppbv | 100    |
| 3) Chlorodifluoromethane      | 2.652 | 51  | 1312868 | 6.204  | ppbv | 100    |
| 4) Chloromethane              | 2.790 | 50  | 692256  | 8.561  | ppbv | 99     |
| 5) Vinyl Chloride             | 2.899 | 62  | 699389  | 8.004  | ppbv | 100    |
| 6) Bromomethane               | 3.099 | 94  | 361665  | 13.084 | ppbv | 100    |
| 7) Chloroethane               | 3.176 | 64  | 248340  | 8.602  | ppbv | 100    |
| 8) Dichlorotetrafluoroethane  | 2.835 | 85  | 1694634 | 8.326  | ppbv | 100    |
| 9) Propene                    | 2.671 | 41  | 600396  | 8.200  | ppbv | 100    |
| 10) Heptane                   | 7.568 | 43  | 1472225 | 8.560  | ppbv | 99     |
| 11) Trichlorofluoromethane    | 3.542 | 101 | 1696907 | 8.325  | ppbv | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 4.047 | 101 | 1226328 | 8.585  | ppbv | 100    |
| 13) Ethanol                   | 3.224 | 45  | 34254   | 2.109  | ppbv | 76     |
| 14) Bromoethene               | 3.346 | 108 | 505960  | 8.829  | ppbv | 100    |
| 15) Acetone                   | 3.446 | 43  | 1222864 | 7.545  | ppbv | 100    |
| 16) 1,3-Butadiene             | 2.964 | 39  | 681843  | 8.839  | ppbv | 100    |
| 17) tert-Butyl alcohol        | 3.861 | 59  | 1291681 | 10.331 | ppbv | 100    |
| 18) 1,1-Dichloroethene        | 3.861 | 96  | 558470  | 8.893  | ppbv | 100    |
| 19) Isopropyl Alcohol         | 3.555 | 45  | 792740  | 8.910  | ppbv | 100    |
| 20) Methylene Chloride        | 3.915 | 84  | 455611  | 7.747  | ppbv | 100    |
| 21) Allyl Chloride            | 3.980 | 41  | 890718  | 9.111  | ppbv | 100    |
| 22) trans-1,2-Dichloroethene  | 4.430 | 96  | 549902  | 8.816  | ppbv | 100    |
| 23) Vinyl Acetate             | 4.610 | 43  | 1085315 | 6.793  | ppbv | 100    |
| 24) 1,1-Dichloroethane        | 4.549 | 63  | 1154644 | 8.336  | ppbv | 100    |
| 25) Ethyl Acetate             | 5.189 | 43  | 2597295 | 8.703  | ppbv | 100    |
| 26) Hexane                    | 5.198 | 57  | 1090849 | 8.255  | ppbv | 100    |
| 27) Carbon Disulfide          | 4.105 | 76  | 1375021 | 8.552  | ppbv | 99     |
| 28) Methyl tert-Butyl Ether   | 4.568 | 73  | 681033  | 6.948  | ppbv | 100    |
| 29) Chloroform                | 5.259 | 83  | 1735318 | 8.511  | ppbv | 100    |
| 30) Cyclohexane               | 6.590 | 84  | 937363  | 8.904  | ppbv | 100    |
| 31) cis-1,2-Dichloroethene    | 5.063 | 61  | 1091838 | 8.618  | ppbv | 100    |
| 32) 1,1,1-Trichloroethane     | 5.989 | 97  | 1715896 | 8.018  | ppbv | 100    |
| 34) 2-Butanone                | 4.771 | 43  | 1567685 | 8.859  | ppbv | 100    |
| 35) Carbon Tetrachloride      | 6.484 | 117 | 1836059 | 8.291  | ppbv | 100    |
| 36) Benzene                   | 6.359 | 78  | 2363293 | 8.516  | ppbv | 100    |
| 37) 1,2-Dichloroethane        | 5.796 | 62  | 1317693 | 8.275  | ppbv | 99     |
| 38) Trichloroethene           | 7.282 | 130 | 1074518 | 8.888  | ppbv | 100    |
| 39) 1,2-Dichloropropane       | 7.063 | 63  | 891517  | 8.313  | ppbv | 100    |
| 40) 1,4-Dioxane               | 7.275 | 88  | 384473  | 11.182 | ppbv | 100    |
| 41) Tetrahydrofuran           | 5.542 | 42  | 931064  | 8.495  | ppbv | 100    |
| 42) Bromodichloromethane      | 7.240 | 83  | 1932798 | 8.675  | ppbv | 100    |
| 43) Methyl Methacrylate       | 7.465 | 69  | 948521  | 9.097  | ppbv | 100    |
| 44) 2,2,4-Trimethylpentane    | 7.317 | 57  | 3907968 | 8.286  | ppbv | 100    |
| 45) t-1,3-Dichloropropene     | 8.703 | 75  | 963383  | 14.599 | ppbv | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL072524\  
 Data File : VL041399.D  
 Acq On : 25 Jul 2024 13:59  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

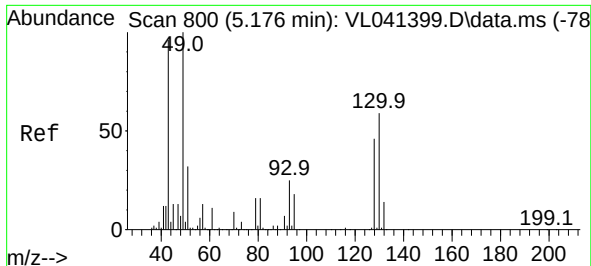
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Jul 26 02:41:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL072524AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Jul 25 14:31:18 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.134  | 75   | 1281640  | 14.444   | ppbv   | 100      |
| 47) 1,1,2-Trichloroethane     | 8.893  | 97   | 987016   | 8.580    | ppbv   | 100      |
| 48) Dibromochloromethane      | 9.706  | 129  | 1692234  | 9.161    | ppbv   | 100      |
| 49) Bromoform                 | 12.404 | 173  | 1496236  | 10.170   | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 8.172  | 43   | 2603717  | 9.163    | ppbv   | 100      |
| 51) 2-Hexanone                | 9.542  | 43   | 2141345  | 10.601   | ppbv   | 100      |
| 52) Tetrachloroethene         | 10.613 | 164  | 907950   | 8.147    | ppbv   | 100      |
| 53) Toluene                   | 9.214  | 91   | 2779504  | 8.880    | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 10.002 | 107  | 1438535  | 10.105   | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 11.503 | 131  | 1213659  | 6.863    | ppbv # | 58       |
| 57) Chlorobenzene             | 11.523 | 112  | 2174265  | 7.053    | ppbv   | 100      |
| 58) Ethyl Benzene             | 12.085 | 91   | 3752771  | 7.138    | ppbv   | 100      |
| 59) m/p-Xylene                | 12.368 | 91   | 2936548  | 6.454    | ppbv # | 19       |
| 60) o-Xylene                  | 13.053 | 91   | 3036791  | 7.071    | ppbv   | 100      |
| 61) Styrene                   | 12.896 | 104  | 1513410  | 7.257    | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.024 | 105  | 4462038  | 6.730    | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83   | 1853886  | 5.480    | ppbv   | 100      |
| 64) n-propylbenzene           | 14.912 | 120  | 1205437  | 6.965    | ppbv   | 100      |
| 65) tert-Butylbenzene         | 16.085 | 119  | 4027165  | 6.822    | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.323 | 91   | 299511   | 7.721    | ppbv   | 100      |
| 67) sec-Butylbenzene          | 16.635 | 105  | 5605419  | 6.714    | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 16.989 | 119  | 4737222  | 6.870    | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.883 | 91   | 4851380  | 6.883    | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 14.799 | 91   | 3368997  | 6.840    | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 15.188 | 105  | 3711228  | 7.256    | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.346 | 105  | 3175291  | 7.253    | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 16.105 | 105  | 3502689  | 7.100    | ppbv   | 100      |
| 75) 1,3-Dichlorobenzene       | 16.330 | 146  | 2192883  | 7.493    | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 16.471 | 146  | 2140459  | 7.341    | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 17.140 | 146  | 2131506  | 7.144    | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 22.628 | 225  | 1626038  | 7.493    | ppbv   | 100      |
| 79) Naphthalene               | 21.381 | 128  | 3669460  | 13.830   | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 24.371 | 142  | 3235986  | 4634.164 | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 21.133 | 180  | 1912951  | 11.665   | ppbv   | 100      |

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

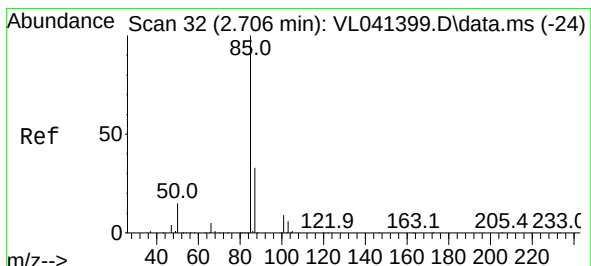
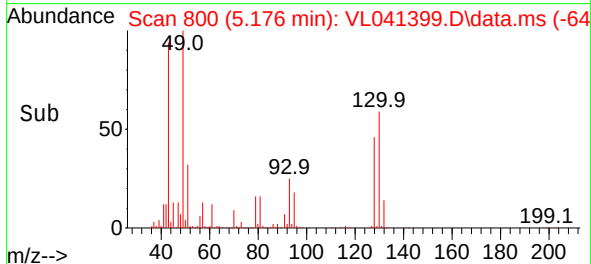
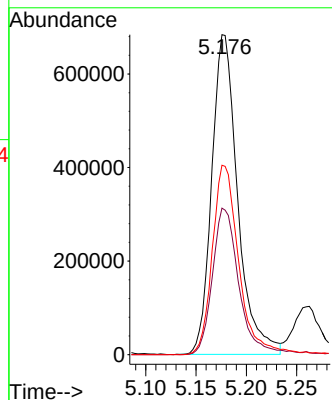
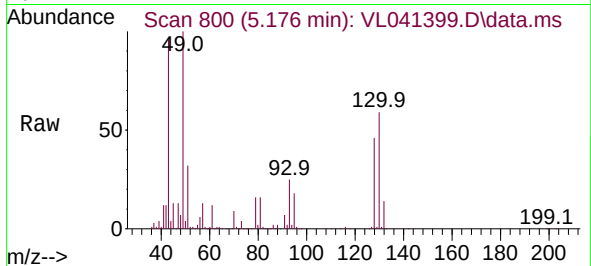




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 5.176 min Scan# 800  
Delta R.T. -0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

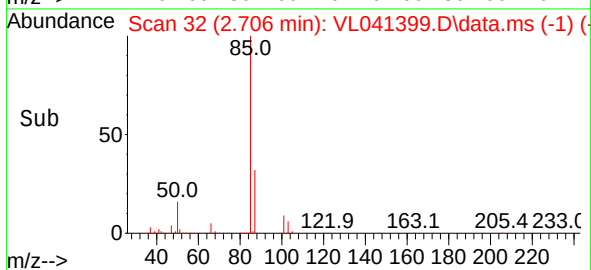
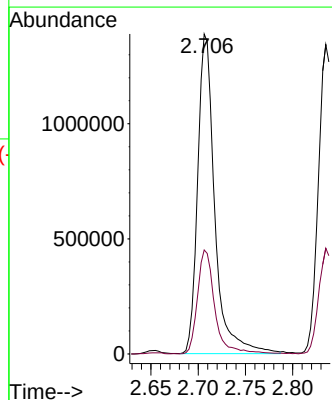
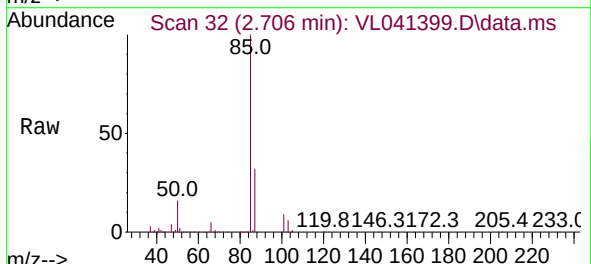
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

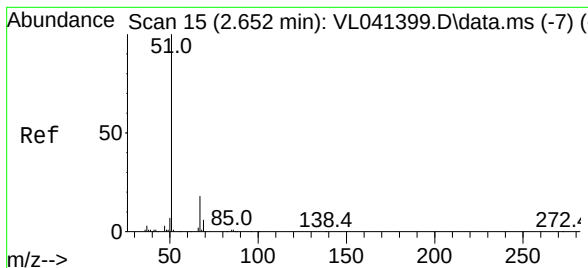
Tgt Ion: 49 Resp: 1227171  
Ion Ratio Lower Upper  
49 100  
128 47.6 23.8 71.4  
130 61.7 30.8 92.4



#2  
Dichlorodifluoromethane  
Concen: 8.351 ppbv  
RT: 2.706 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 85 Resp: 1748662  
Ion Ratio Lower Upper  
85 100  
87 32.5 26.0 39.0





#3

Chlorodifluoromethane

Concen: 6.204 ppbv

RT: 2.652 min Scan# 15

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

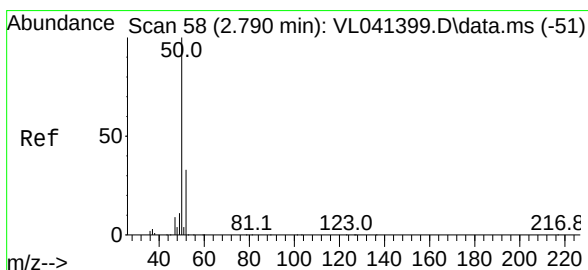
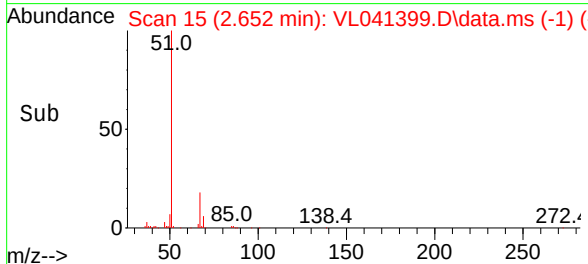
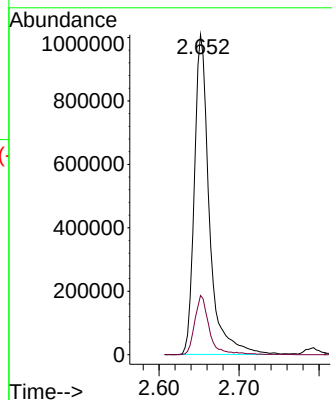
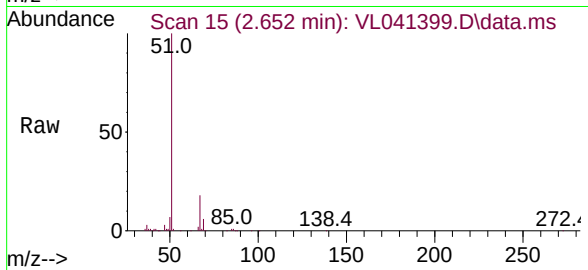
VSTDICCC010

Tgt Ion: 51 Resp: 1312868

Ion Ratio Lower Upper

51 100

67 18.1 14.5 21.7



#4

Chloromethane

Concen: 8.561 ppbv

RT: 2.790 min Scan# 58

Delta R.T. 0.000 min

Lab File: VL041399.D

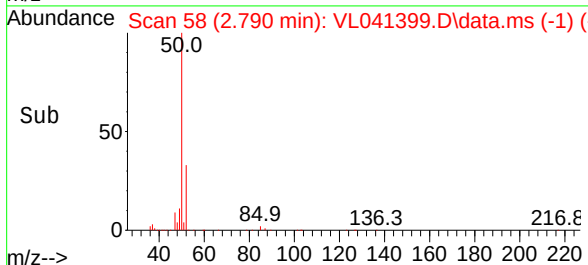
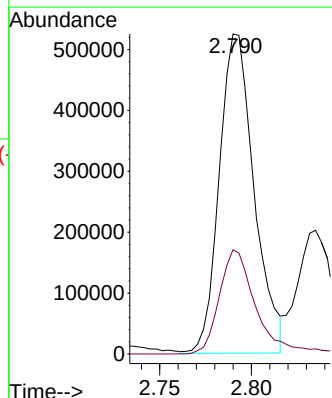
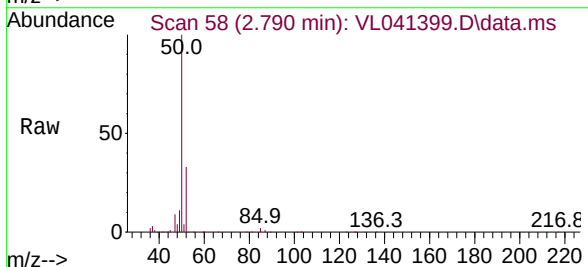
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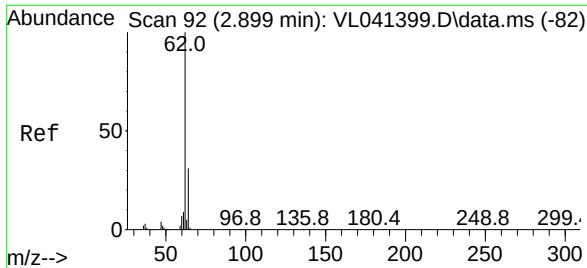
Tgt Ion: 50 Resp: 692256

Ion Ratio Lower Upper

50 100

52 32.9 26.1 39.1

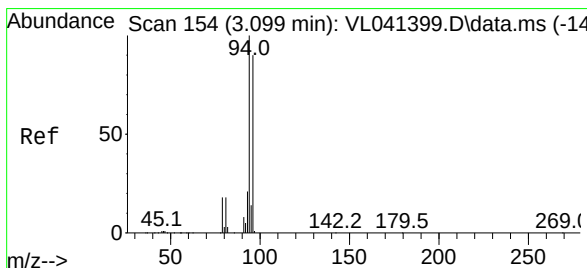
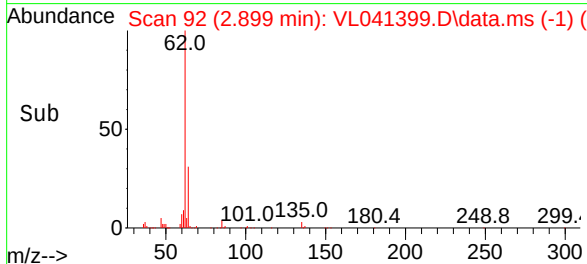
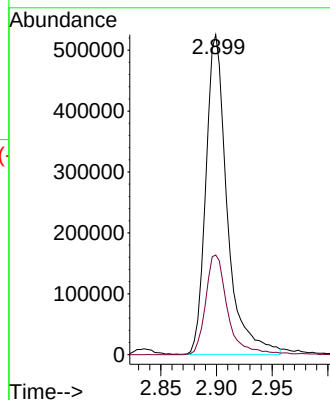
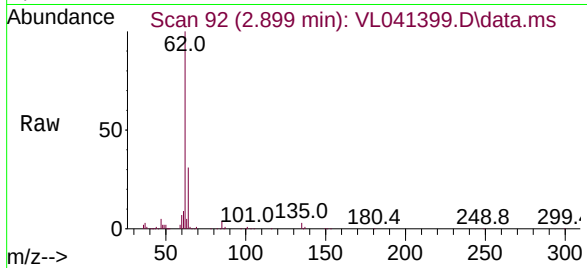




#5  
 Vinyl Chloride  
 Concen: 8.004 ppbv  
 RT: 2.899 min Scan# 92  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

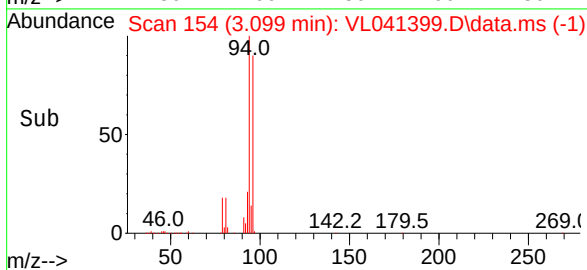
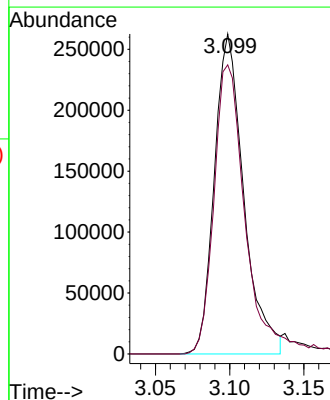
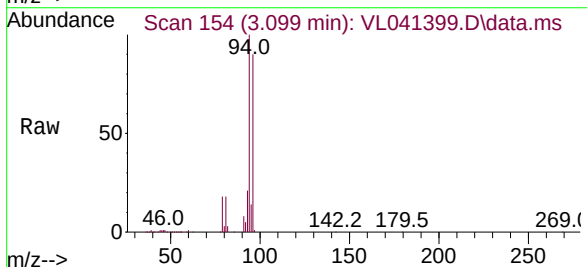
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

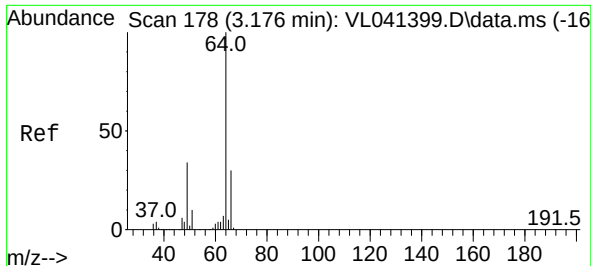
Tgt Ion: 62 Resp: 699389  
 Ion Ratio Lower Upper  
 62 100  
 64 31.2 25.0 37.4



#6  
 Bromomethane  
 Concen: 13.084 ppbv  
 RT: 3.099 min Scan# 154  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Tgt Ion: 94 Resp: 361665  
 Ion Ratio Lower Upper  
 94 100  
 96 90.4 72.3 108.5

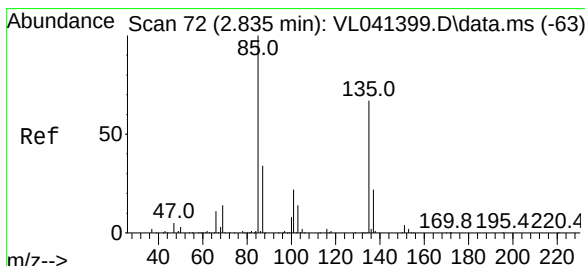
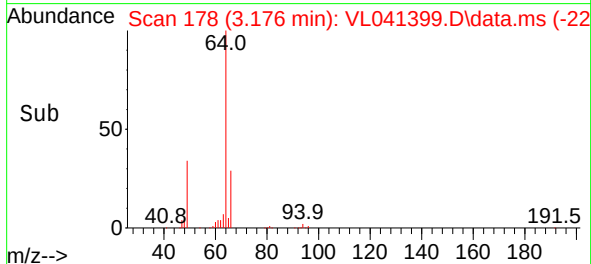
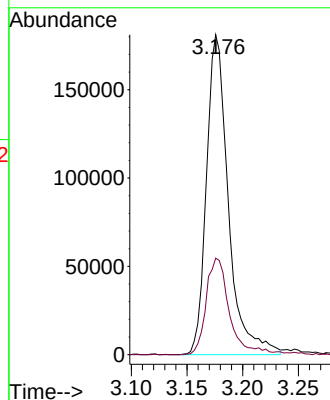
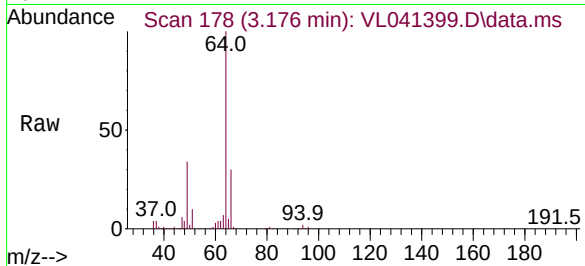




#7  
Chloroethane  
Concen: 8.602 ppbv  
RT: 3.176 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

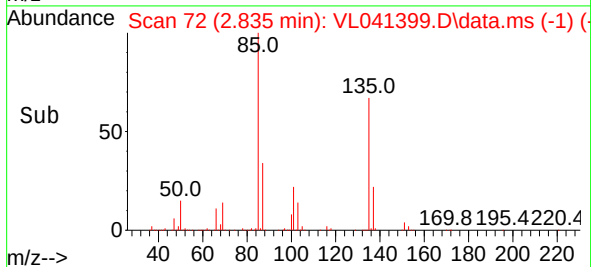
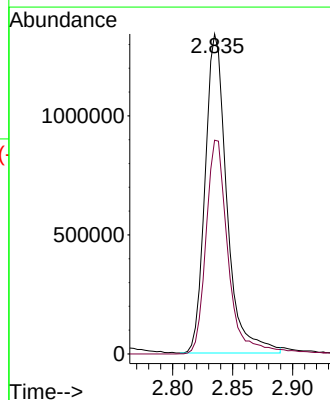
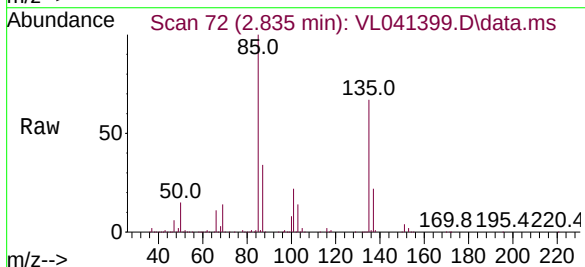
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

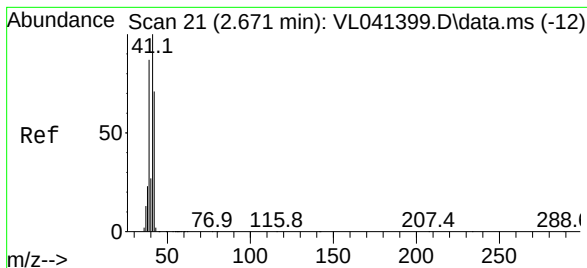
Tgt Ion: 64 Resp: 248340  
Ion Ratio Lower Upper  
64 100  
66 30.2 24.2 36.2



#8  
Dichlorotetrafluoroethane  
Concen: 8.326 ppbv  
RT: 2.835 min Scan# 72  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 85 Resp: 1694634  
Ion Ratio Lower Upper  
85 100  
135 69.2 55.4 83.0





#9

Propene

Concen: 8.200 ppbv

RT: 2.671 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

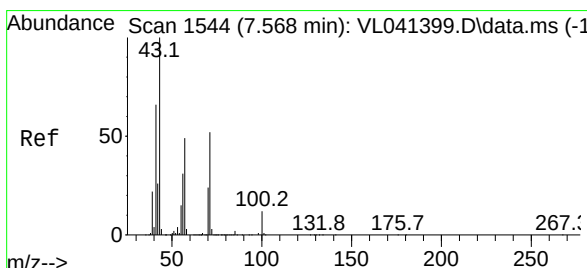
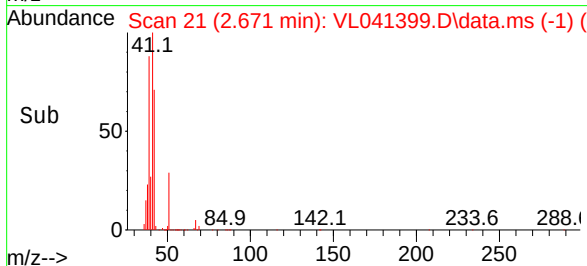
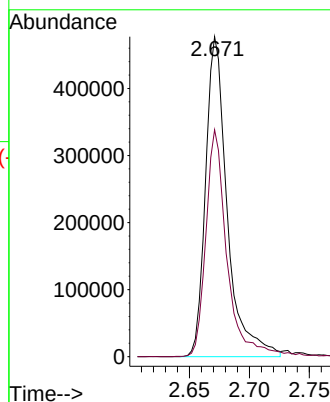
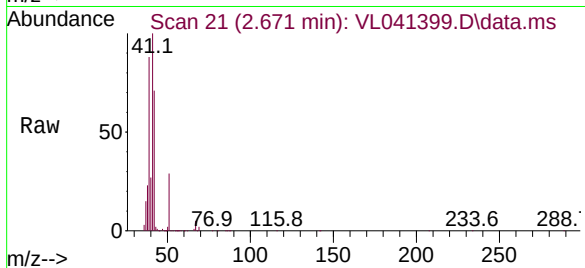
VSTDICCC010

Tgt Ion: 41 Resp: 600396

Ion Ratio Lower Upper

41 100

42 69.9 55.9 83.9



#10

Heptane

Concen: 8.560 ppbv

RT: 7.568 min Scan# 1544

Delta R.T. 0.000 min

Lab File: VL041399.D

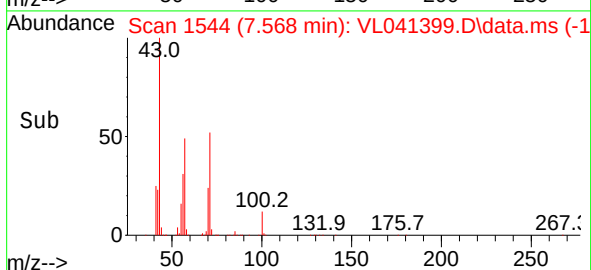
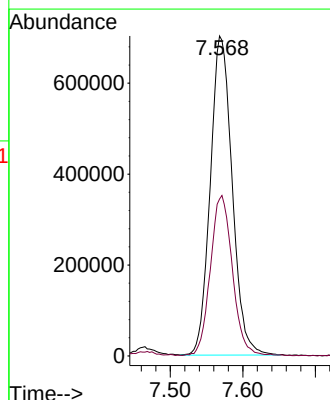
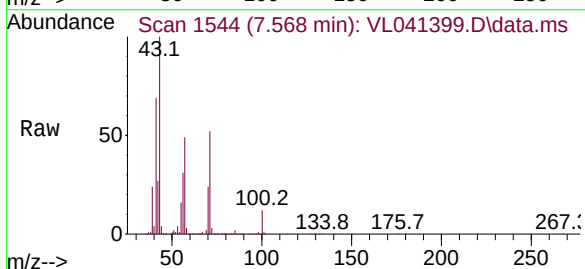
Acq: 25 Jul 2024 13:59

Tgt Ion: 43 Resp: 1472225

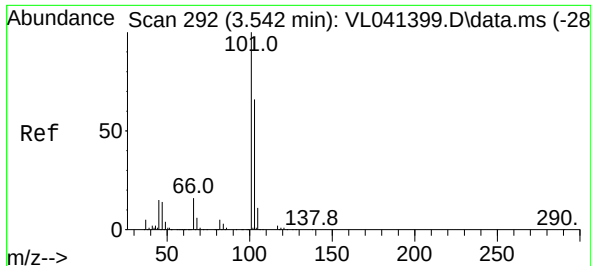
Ion Ratio Lower Upper

43 100

57 51.2 40.5 60.7







#11

Trichlorofluoromethane

Concen: 8.325 ppbv

RT: 3.542 min Scan# 292

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

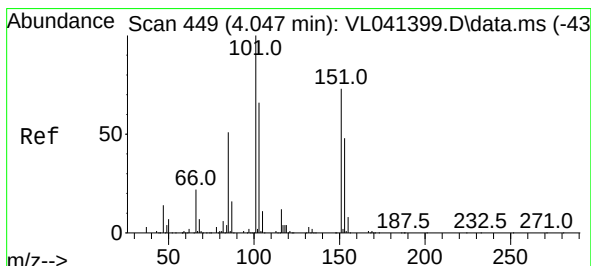
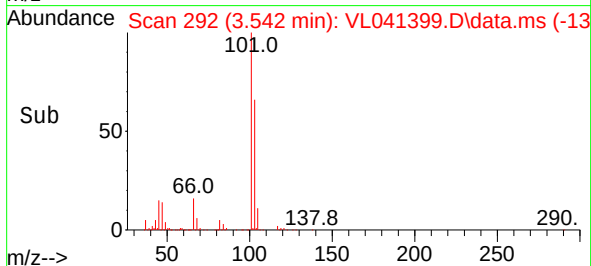
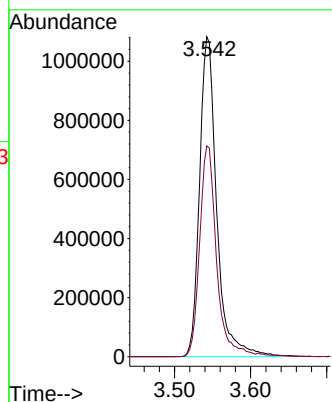
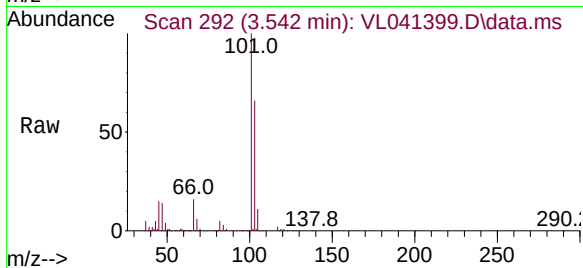
VSTDICCC010

Tgt Ion:101 Resp: 1696907

Ion Ratio Lower Upper

101 100

103 65.8 52.6 79.0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.585 ppbv

RT: 4.047 min Scan# 449

Delta R.T. 0.000 min

Lab File: VL041399.D

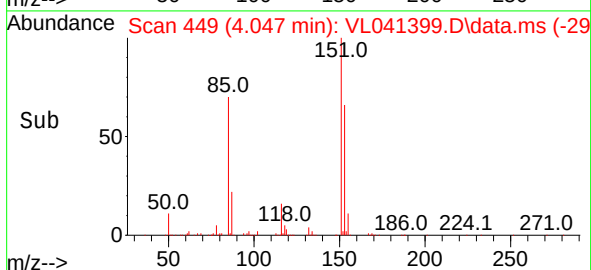
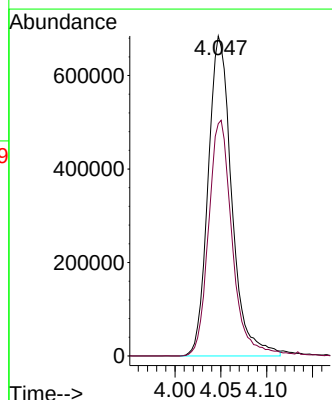
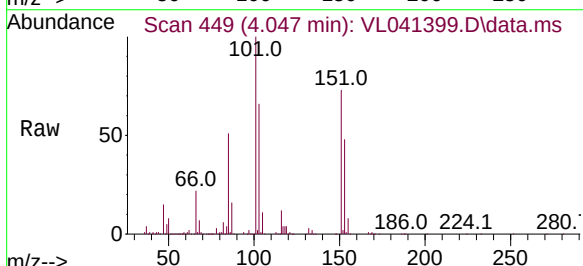
Acq: 25 Jul 2024 13:59

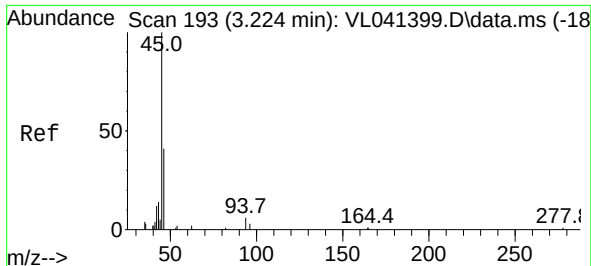
Tgt Ion:101 Resp: 1226328

Ion Ratio Lower Upper

101 100

151 74.3 59.4 89.2

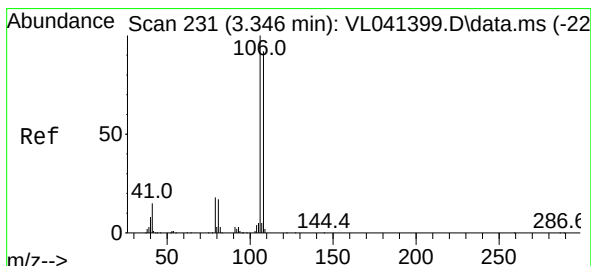
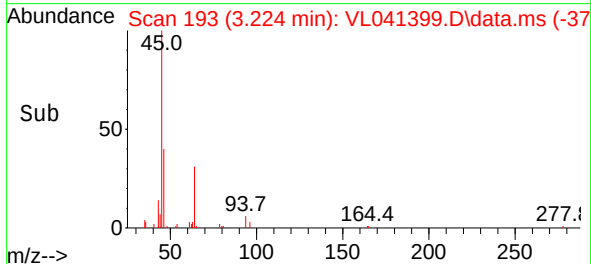
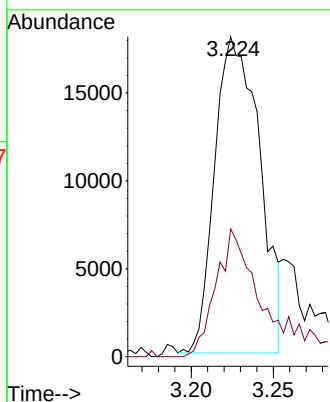
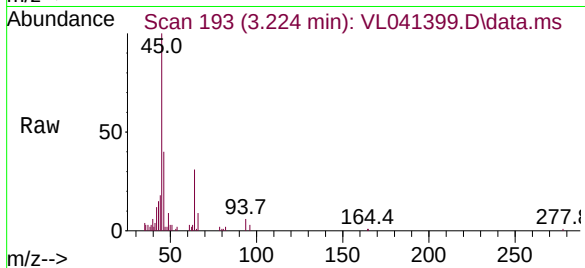




#13  
Ethanol  
Concen: 2.109 ppbv  
RT: 3.224 min Scan# 193  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

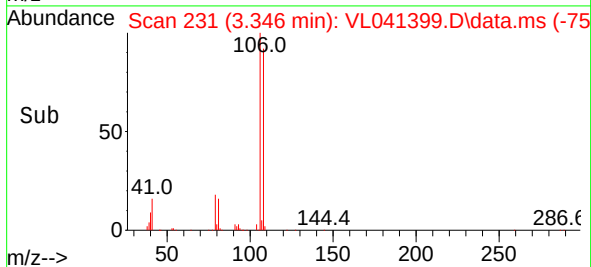
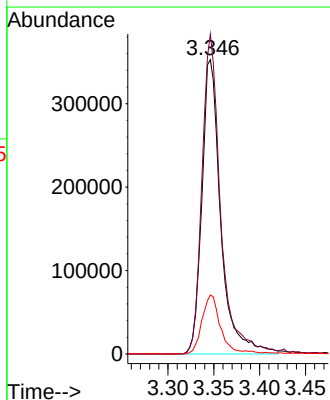
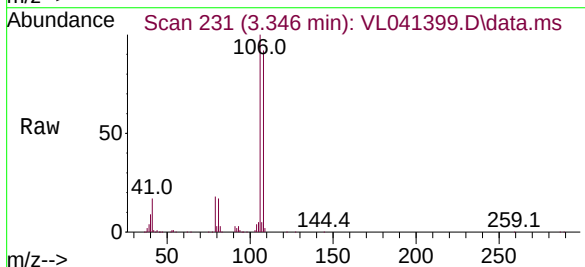
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

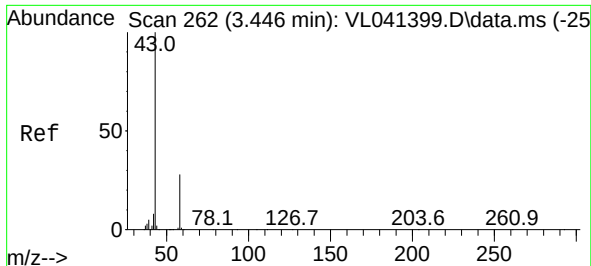
Tgt Ion: 45 Resp: 34254  
Ion Ratio Lower Upper  
45 100  
46 46.9 13.4 53.4



#14  
Bromoethene  
Concen: 8.829 ppbv  
RT: 3.346 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 108 Resp: 505960  
Ion Ratio Lower Upper  
108 100  
106 108.8 86.9 130.3  
79 20.6 16.2 24.4





#15

Acetone

Concen: 7.545 ppbv

RT: 3.446 min Scan# 2

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

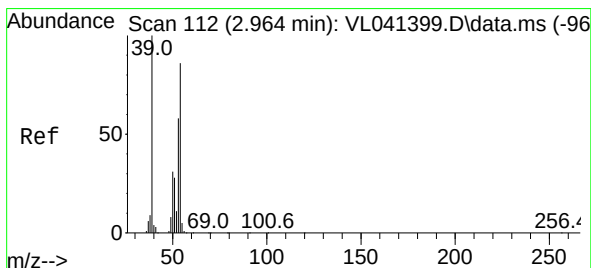
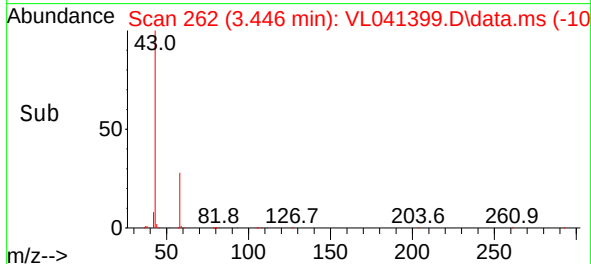
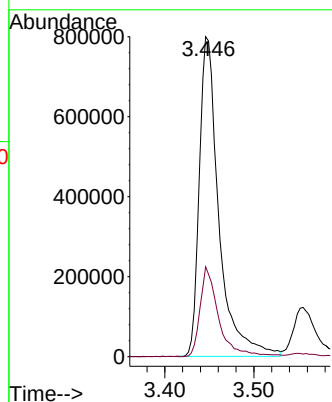
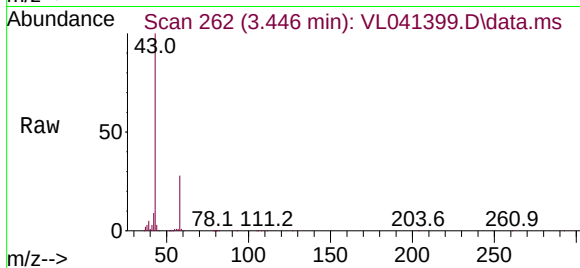
VSTDICCC010

Tgt Ion: 43 Resp: 1222864

Ion Ratio Lower Upper

43 100

58 26.8 21.4 32.2



#16

1,3-Butadiene

Concen: 8.839 ppbv

RT: 2.964 min Scan# 112

Delta R.T. 0.000 min

Lab File: VL041399.D

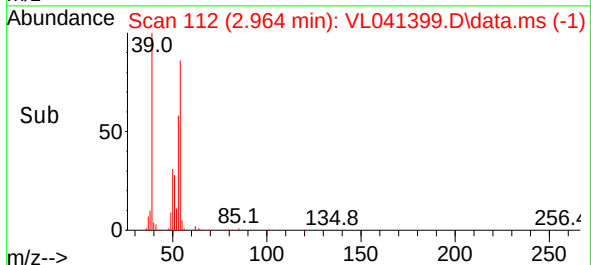
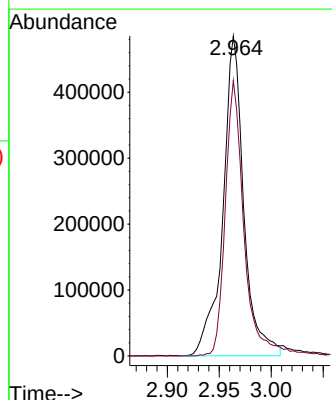
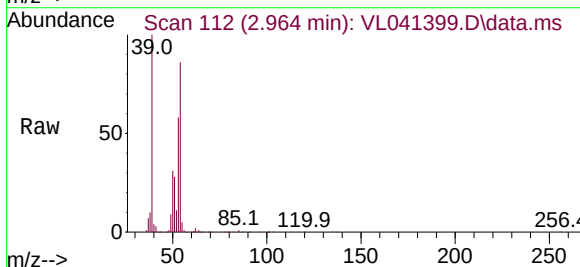
Acq: 25 Jul 2024 13:59

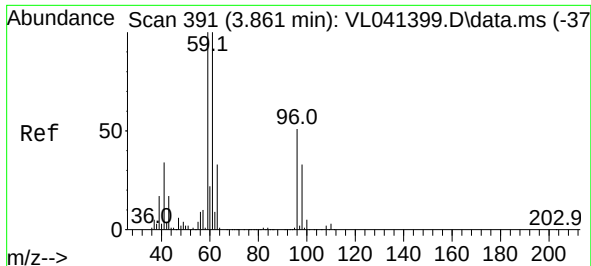
Tgt Ion: 39 Resp: 681843

Ion Ratio Lower Upper

39 100

54 78.1 62.5 93.7





#17

tert-Butyl alcohol

Concen: 10.331 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

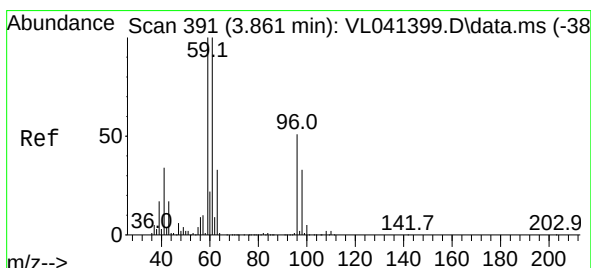
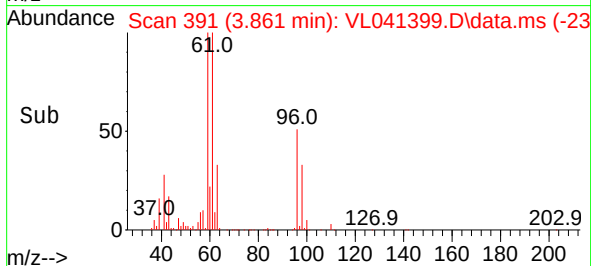
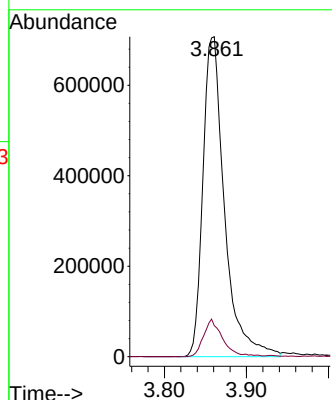
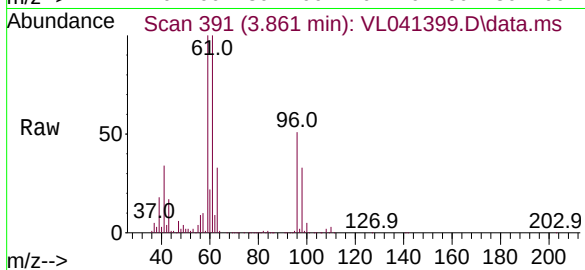
VSTDICCC010

Tgt Ion: 59 Resp: 1291681

Ion Ratio Lower Upper

59 100

57 10.8 8.6 12.8



#18

1,1-Dichloroethene

Concen: 8.893 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

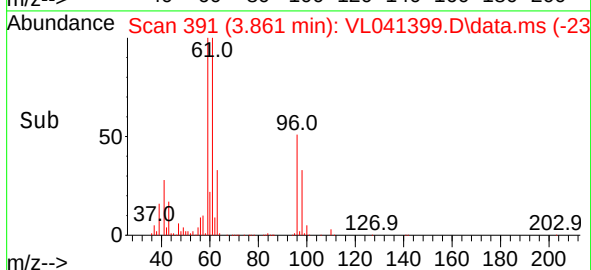
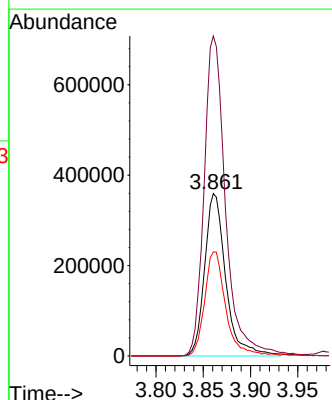
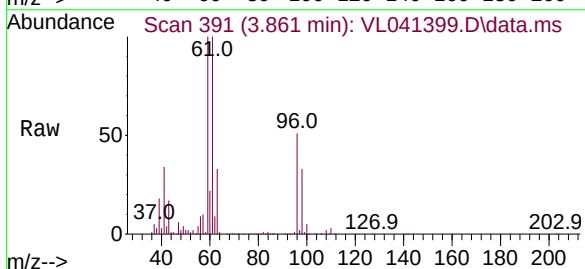
Tgt Ion: 96 Resp: 558470

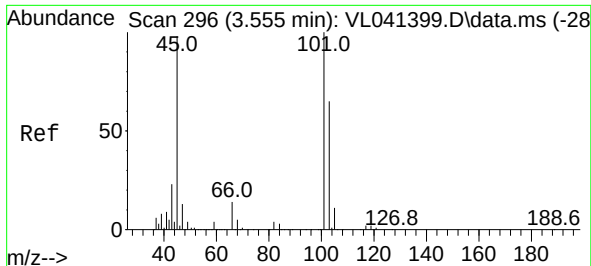
Ion Ratio Lower Upper

96 100

61 196.9 157.5 236.3

98 64.0 51.2 76.8





#19

Isopropyl Alcohol

Concen: 8.910 ppbv

RT: 3.555 min Scan# 296

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

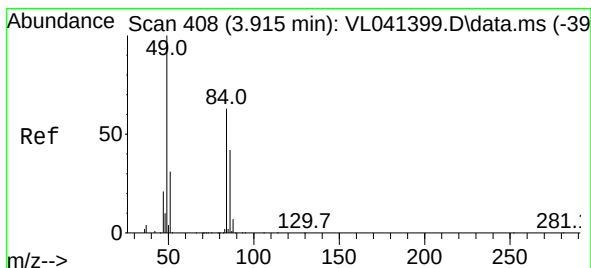
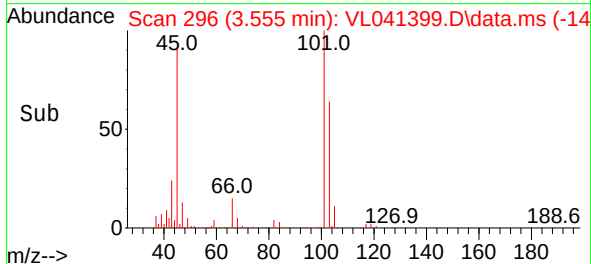
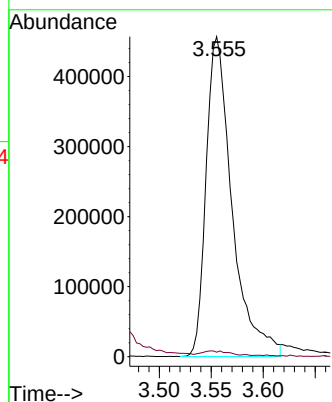
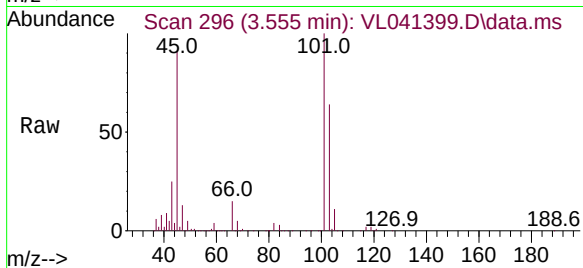
VSTDICCC010

Tgt Ion: 45 Resp: 792740

Ion Ratio Lower Upper

45 100

58 2.3 1.9 2.9



#20

Methylene Chloride

Concen: 7.747 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Tgt Ion: 84 Resp: 455611

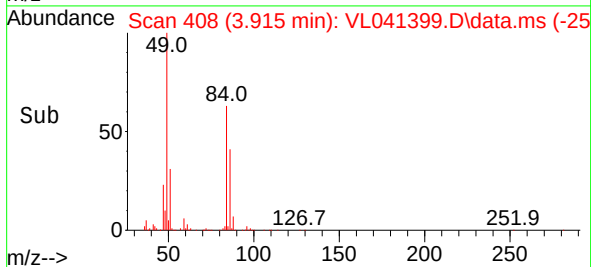
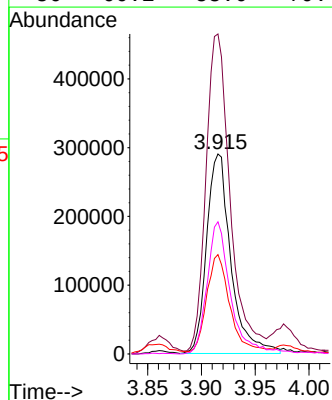
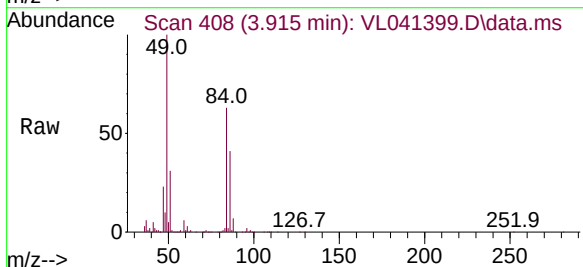
Ion Ratio Lower Upper

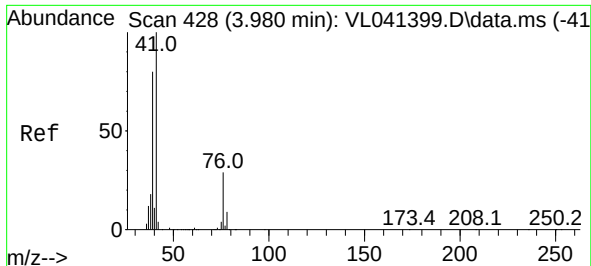
84 100

49 158.3 126.6 190.0

51 48.3 38.6 58.0

86 66.2 53.0 79.4





#21

Allyl Chloride

Concen: 9.111 ppbv

RT: 3.980 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

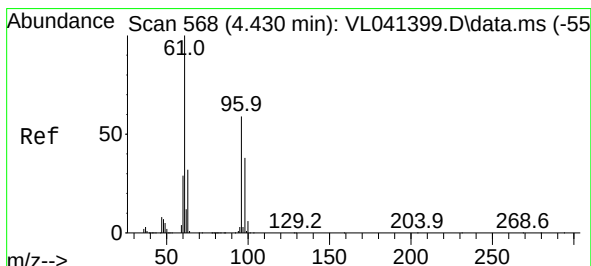
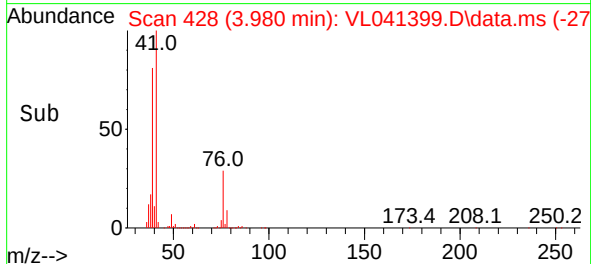
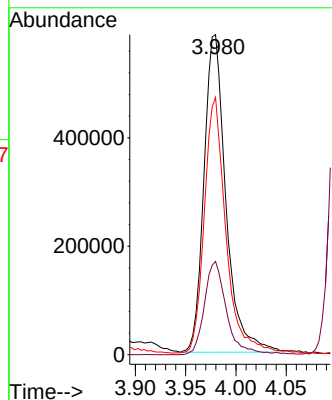
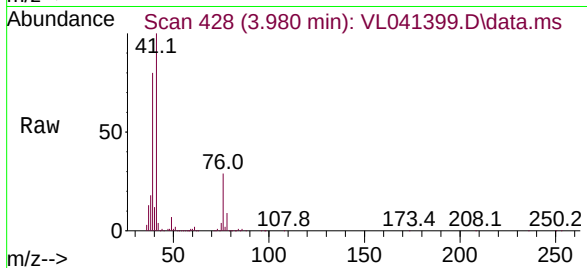
Tgt Ion: 41 Resp: 890718

Ion Ratio Lower Upper

41 100

76 29.7 23.7 35.5

39 80.1 64.3 96.5



#22

trans-1,2-Dichloroethene

Concen: 8.816 ppbv

RT: 4.430 min Scan# 568

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

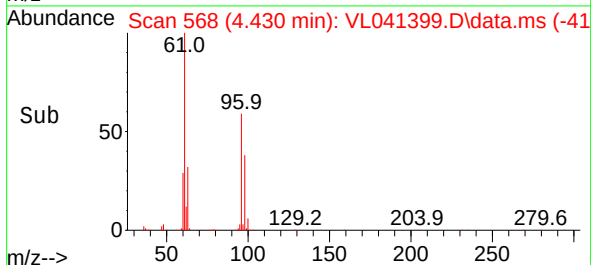
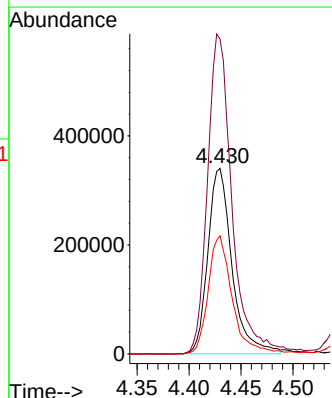
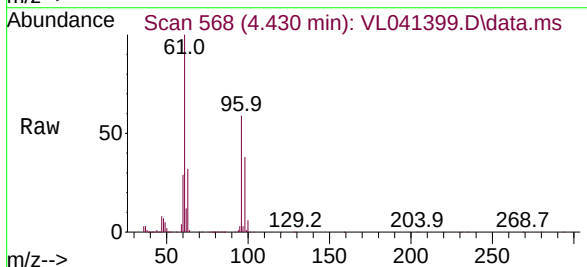
Tgt Ion: 96 Resp: 549902

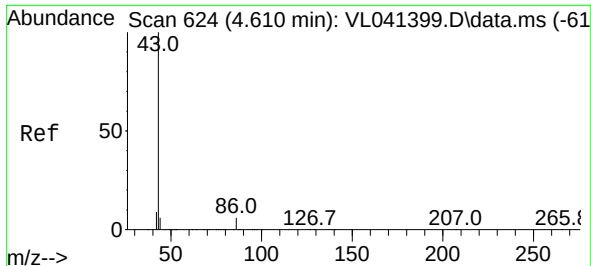
Ion Ratio Lower Upper

96 100

61 169.3 135.4 203.2

98 63.7 51.0 76.4



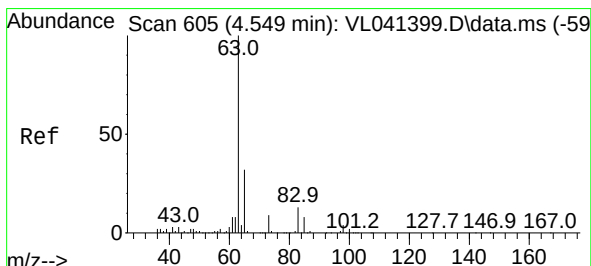
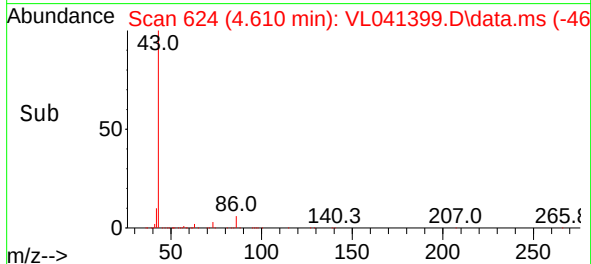
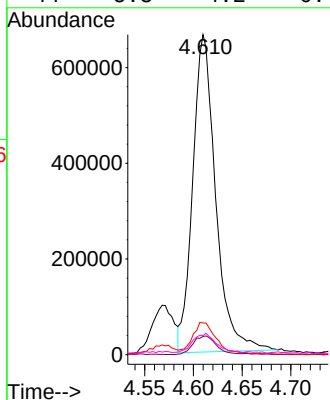
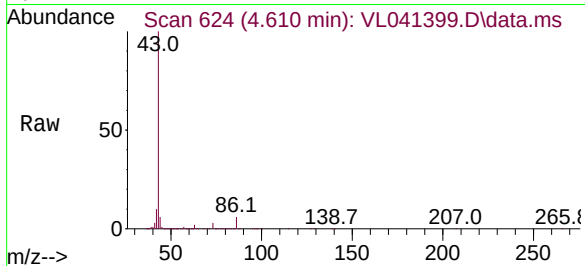


#23  
 Vinyl Acetate  
 Concen: 6.793 ppbv  
 RT: 4.610 min Scan# 61  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion: 43 Resp: 1085315

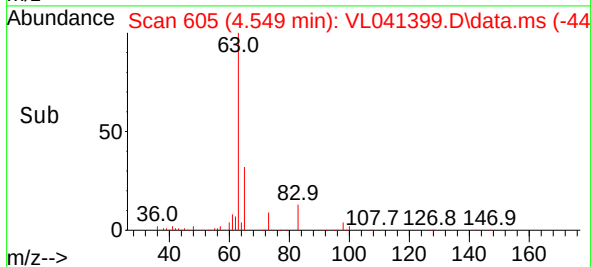
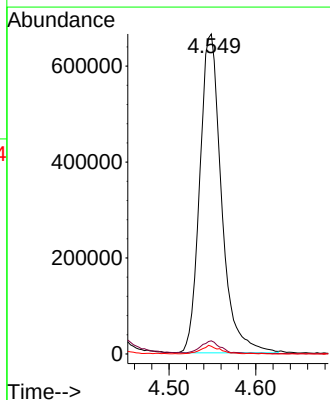
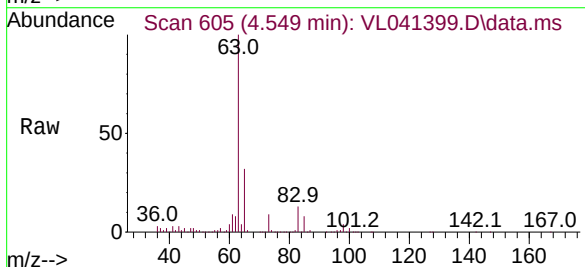
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 5.7   | 4.6   | 6.8   |
| 42  | 9.9   | 7.9   | 11.9  |
| 44  | 5.3   | 4.2   | 6.4   |

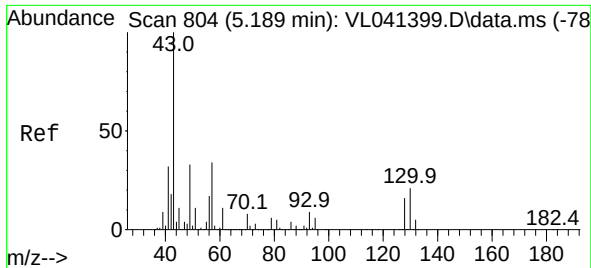


#24  
 1,1-Dichloroethane  
 Concen: 8.336 ppbv  
 RT: 4.549 min Scan# 605  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Tgt Ion: 63 Resp: 1154644

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.0   | 2.0   | 6.0   |
| 100 | 2.4   | 1.2   | 3.6   |



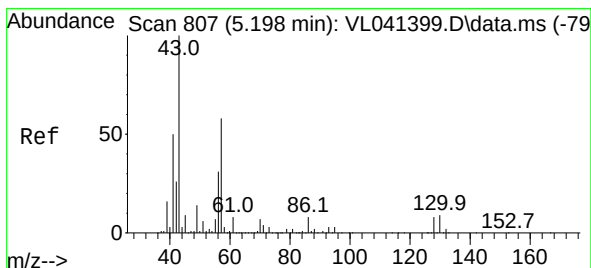
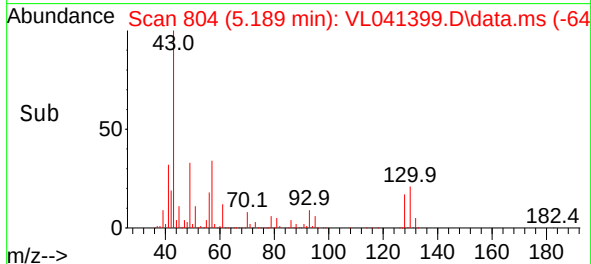
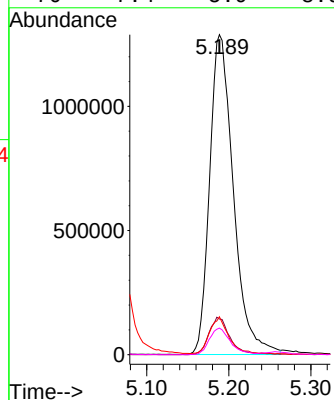
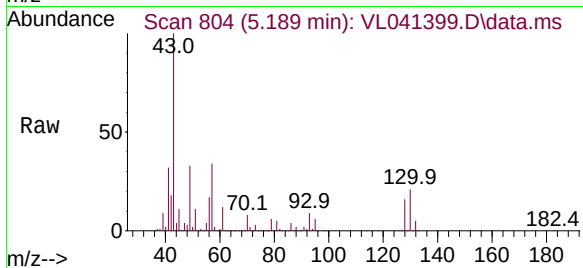


#25  
Ethyl Acetate  
Concen: 8.703 ppbv  
RT: 5.189 min Scan# 804  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDICCC010

Tgt Ion: 43 Resp: 2597295

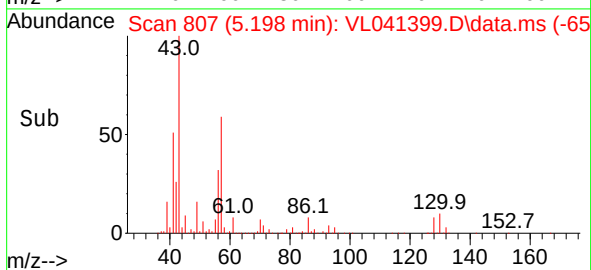
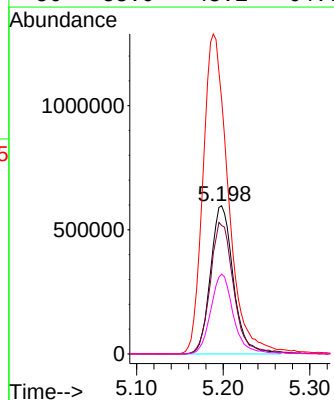
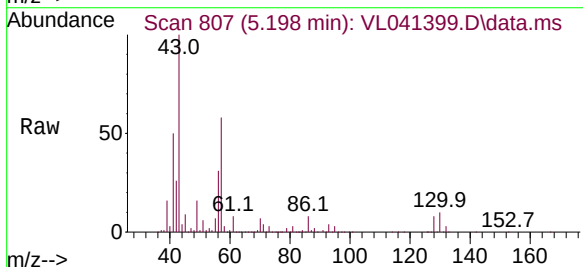
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.5  | 8.5   | 12.7  |
| 61  | 10.0  | 8.0   | 12.0  |
| 70  | 7.4   | 5.9   | 8.9   |



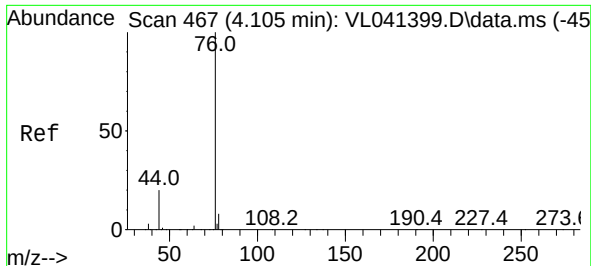
#26  
Hexane  
Concen: 8.255 ppbv  
RT: 5.198 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 57 Resp: 1090849

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 92.5  | 74.0  | 111.0 |
| 43  | 242.0 | 193.6 | 290.4 |
| 56  | 53.9  | 43.1  | 64.7  |



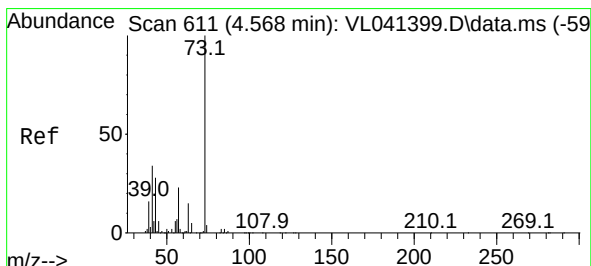
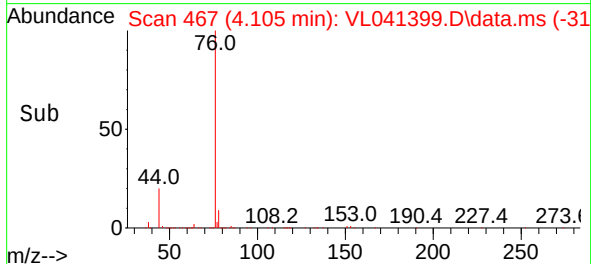
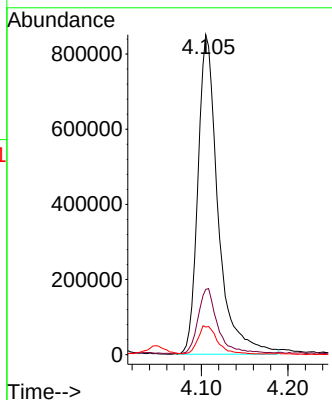
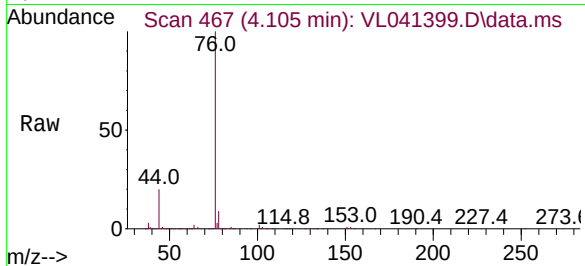




#27  
Carbon Disulfide  
Concen: 8.552 ppbv  
RT: 4.105 min Scan# 407  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

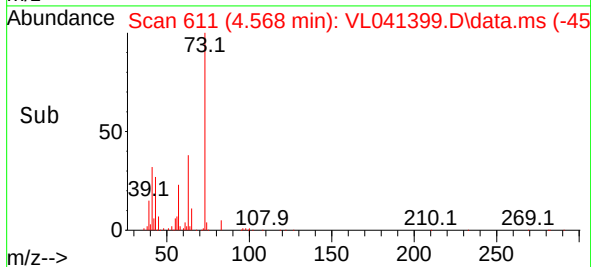
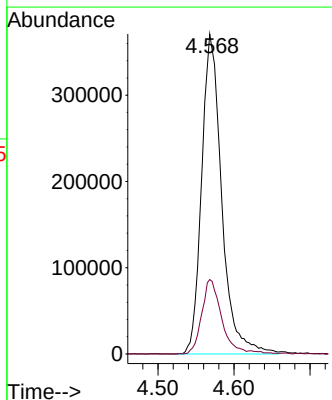
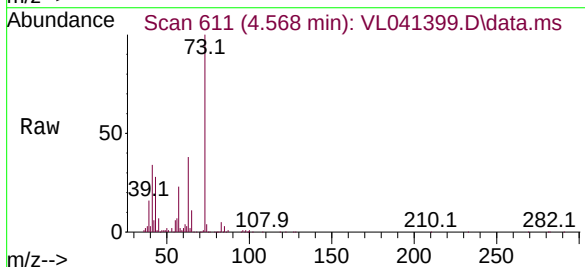
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

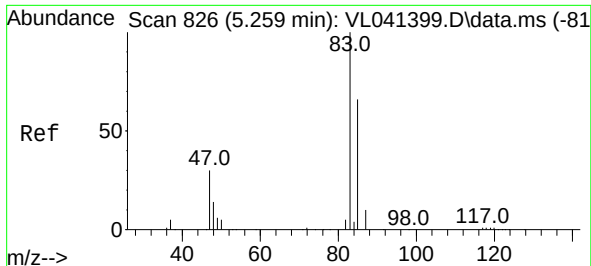
Tgt Ion: 76 Resp: 1375021  
Ion Ratio Lower Upper  
76 100  
44 19.6 15.6 23.4  
78 9.2 7.7 11.5



#28  
Methyl tert-Butyl Ether  
Concen: 6.948 ppbv  
RT: 4.568 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 73 Resp: 681033  
Ion Ratio Lower Upper  
73 100  
57 23.6 18.9 28.3





#29

Chloroform

Concen: 8.511 ppbv

RT: 5.259 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

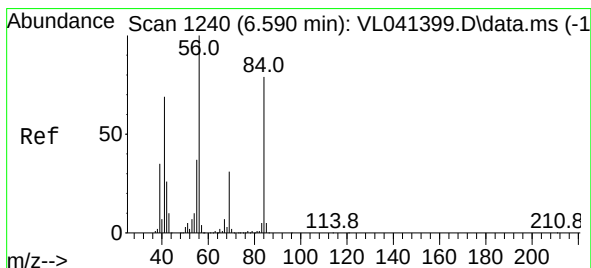
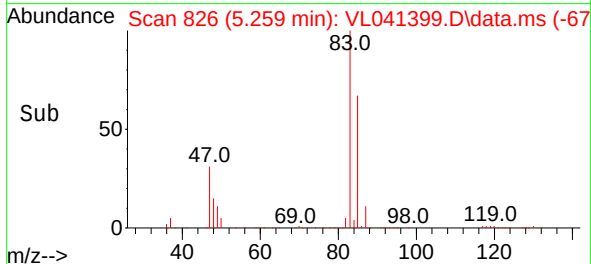
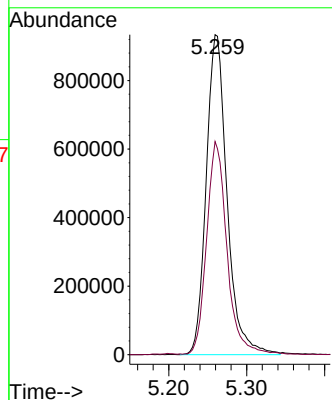
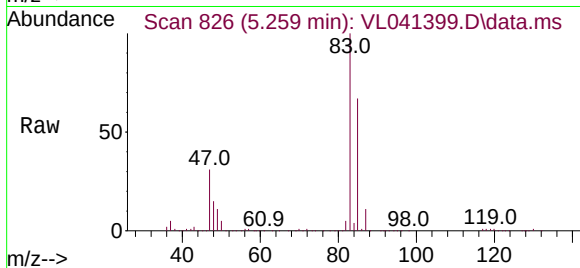
VSTDICCC010

Tgt Ion: 83 Resp: 1735318

Ion Ratio Lower Upper

83 100

85 66.4 53.1 79.7



#30

Cyclohexane

Concen: 8.904 ppbv

RT: 6.590 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

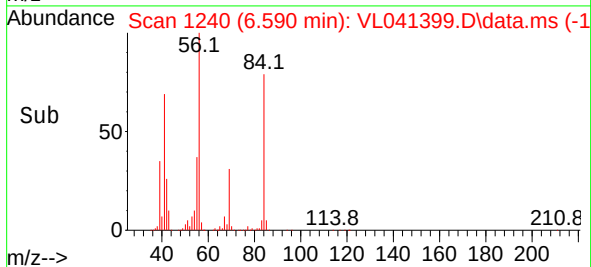
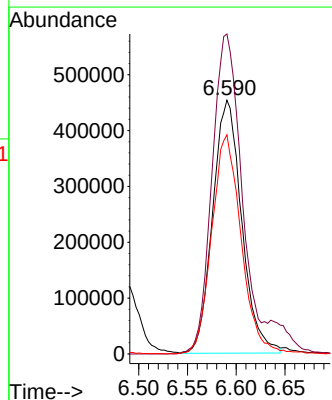
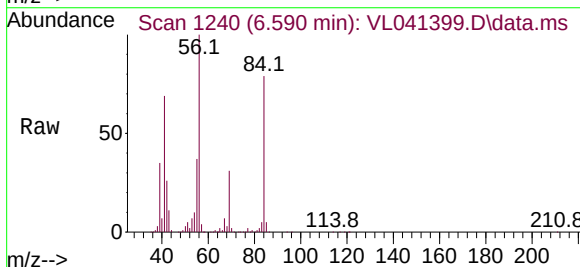
Tgt Ion: 84 Resp: 937363

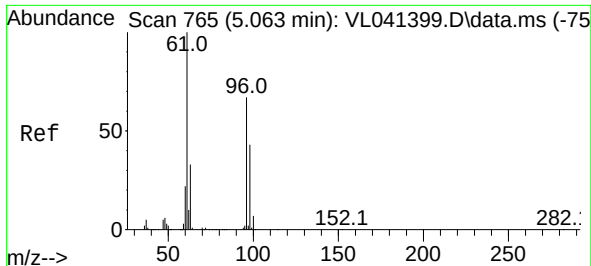
Ion Ratio Lower Upper

84 100

56 138.9 111.2 166.8

41 88.4 70.3 105.5





#31

cis-1,2-Dichloroethene

Concen: 8.618 ppbv

RT: 5.063 min Scan# 765

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

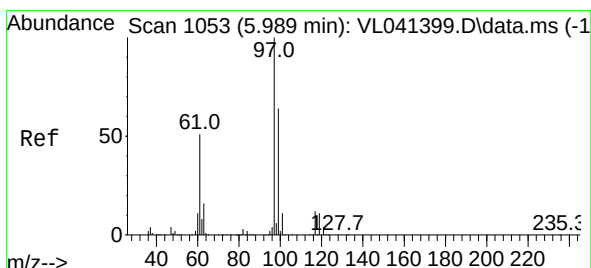
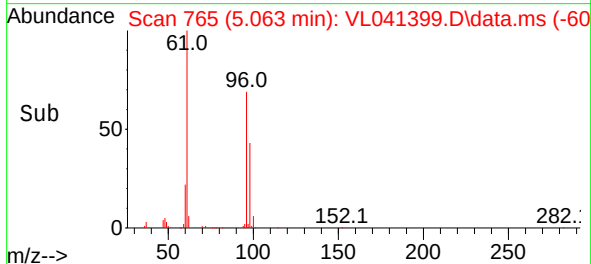
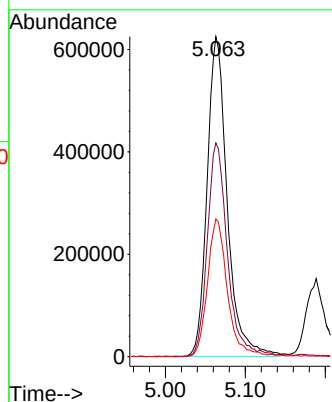
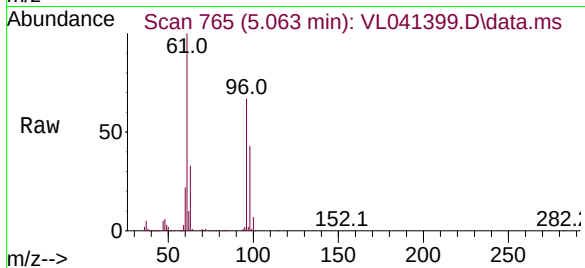
Tgt Ion: 61 Resp: 1091838

Ion Ratio Lower Upper

61 100

96 66.8 53.4 80.2

98 43.0 34.4 51.6



#32

1,1,1-Trichloroethane

Concen: 8.018 ppbv

RT: 5.989 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

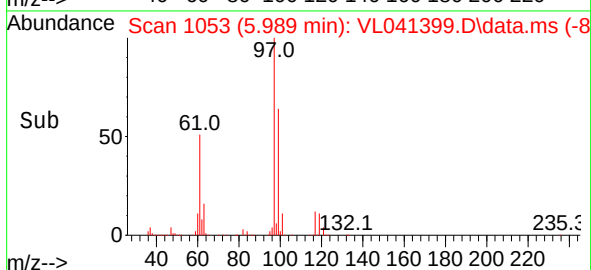
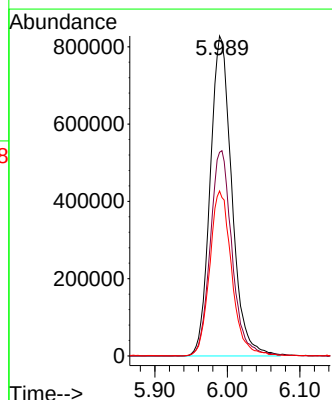
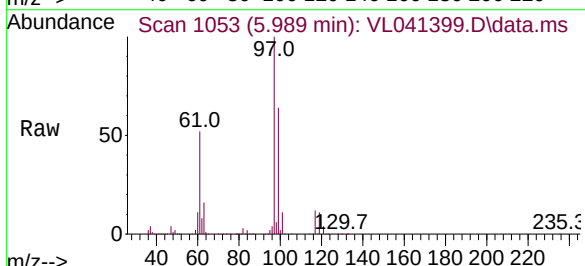
Tgt Ion: 97 Resp: 1715896

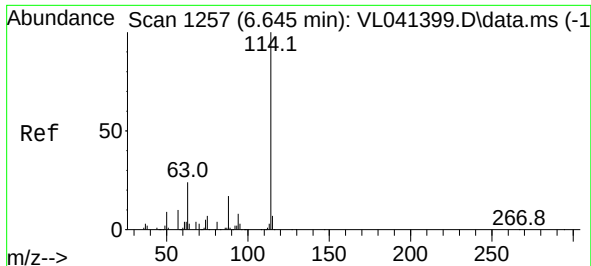
Ion Ratio Lower Upper

97 100

99 65.0 52.0 78.0

61 52.4 41.8 62.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

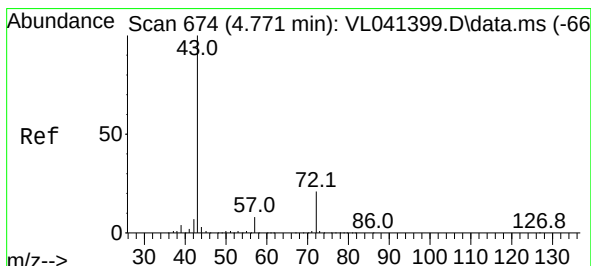
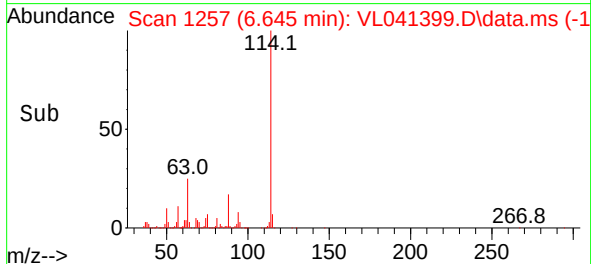
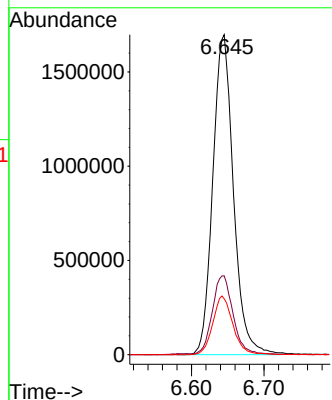
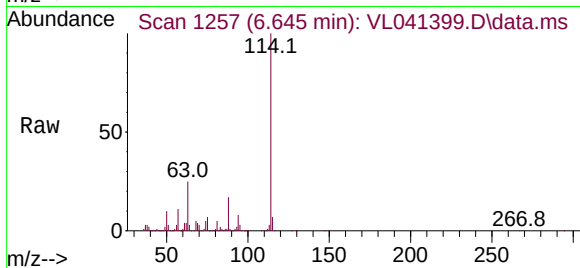
Tgt Ion:114 Resp: 3353351

Ion Ratio Lower Upper

114 100

63 25.4 20.3 30.5

88 17.9 14.3 21.5



#34

2-Butanone

Concen: 8.859 ppbv

RT: 4.771 min Scan# 674

Delta R.T. 0.000 min

Lab File: VL041399.D

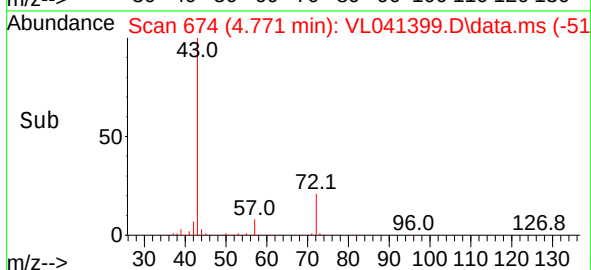
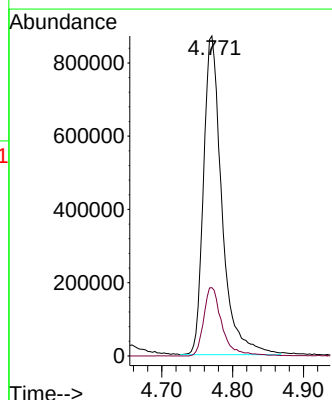
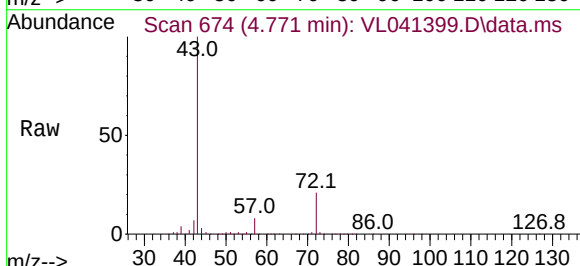
Acq: 25 Jul 2024 13:59

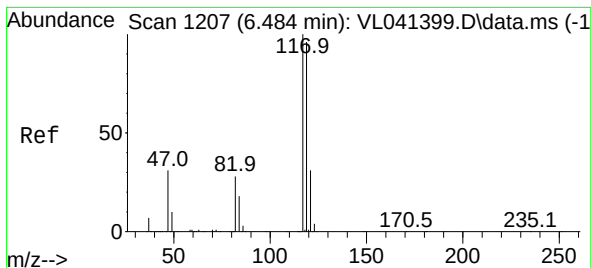
Tgt Ion: 43 Resp: 1567685

Ion Ratio Lower Upper

43 100

72 21.7 17.3 25.9





#35

Carbon Tetrachloride

Concen: 8.291 ppbv

RT: 6.484 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICCC010

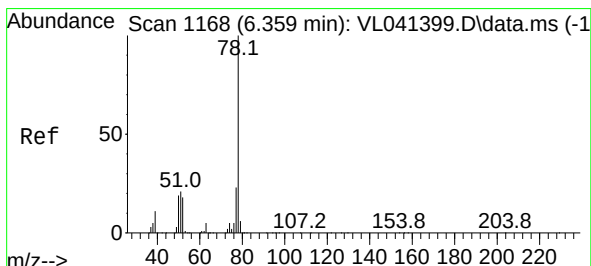
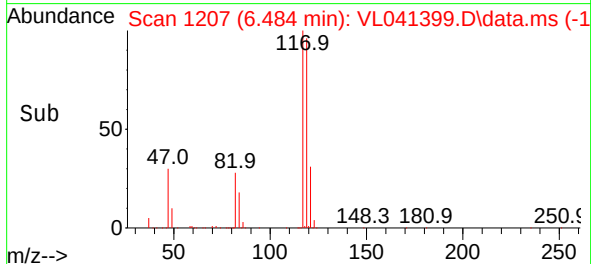
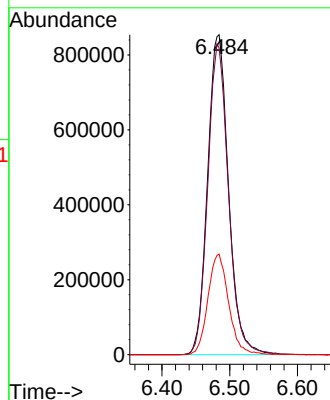
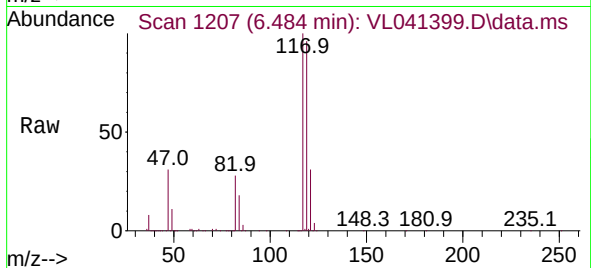
Tgt Ion:117 Resp: 1836059

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0

121 31.4 25.1 37.7



#36

Benzene

Concen: 8.516 ppbv

RT: 6.359 min Scan# 1168

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

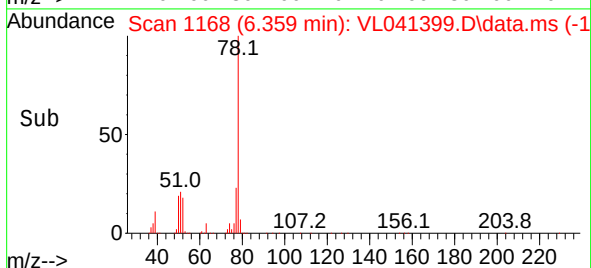
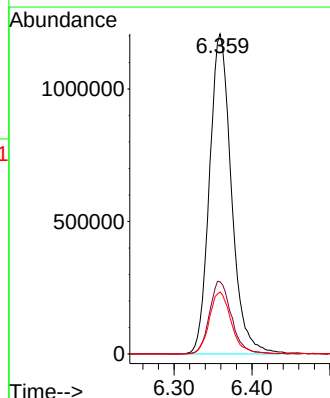
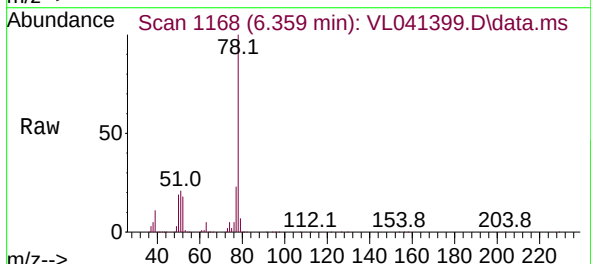
Tgt Ion: 78 Resp: 2363293

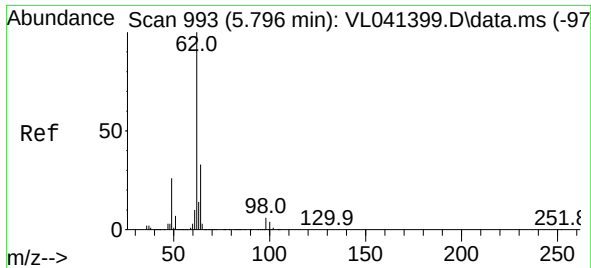
Ion Ratio Lower Upper

78 100

77 22.6 18.1 27.1

50 19.4 15.5 23.3

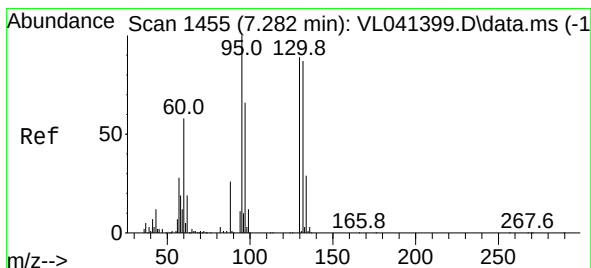
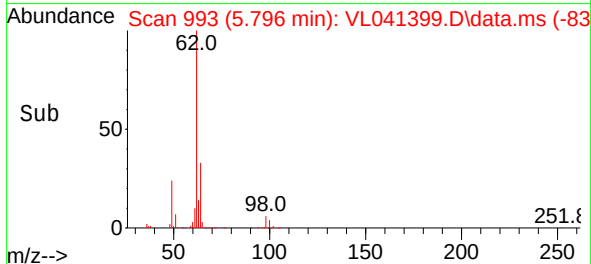
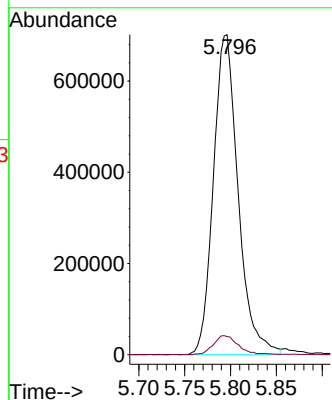
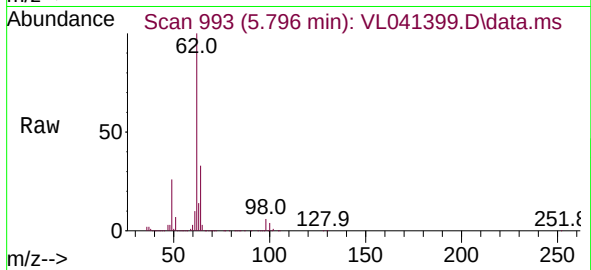




#37  
1,2-Dichloroethane  
Concen: 8.275 ppbv  
RT: 5.796 min Scan# 993  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

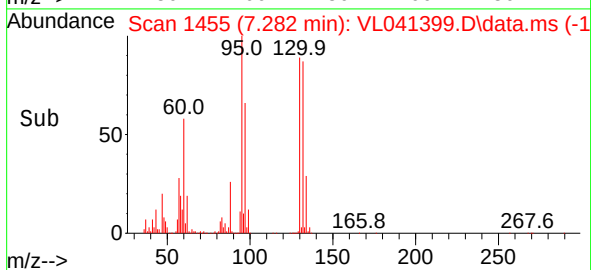
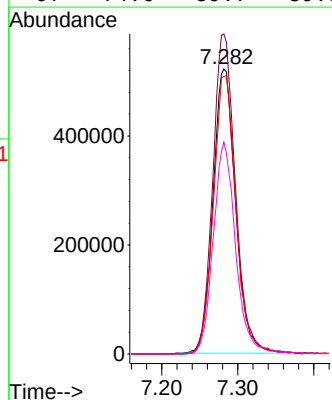
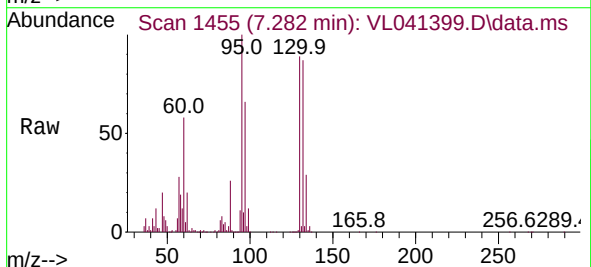
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

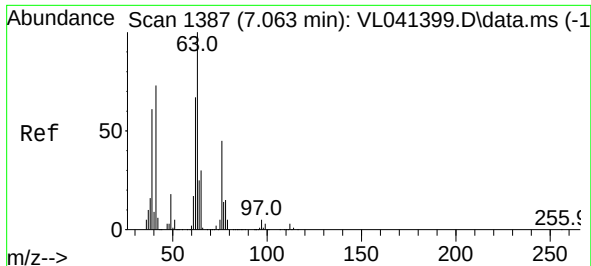
Tgt Ion: 62 Resp: 1317693  
Ion Ratio Lower Upper  
62 100  
98 6.0 5.0 7.4



#38  
Trichloroethene  
Concen: 8.888 ppbv  
RT: 7.282 min Scan# 1455  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion:130 Resp: 1074518  
Ion Ratio Lower Upper  
130 100  
95 112.7 90.2 135.2  
132 97.6 78.1 117.1  
97 74.6 59.7 89.5





#39

1,2-Dichloropropane

Concen: 8.313 ppbv

RT: 7.063 min Scan# 14

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

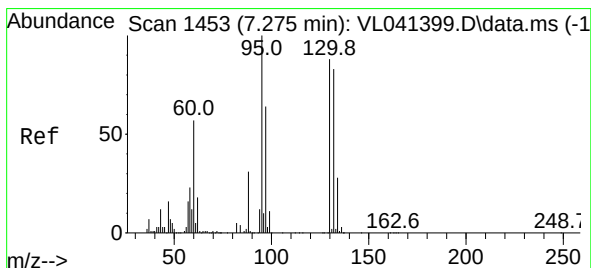
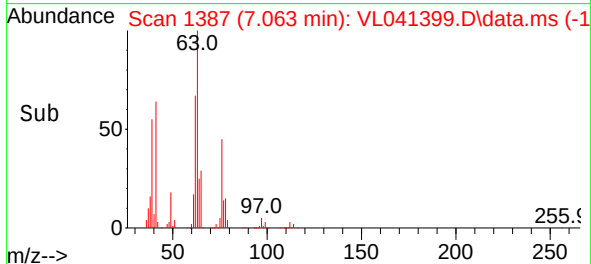
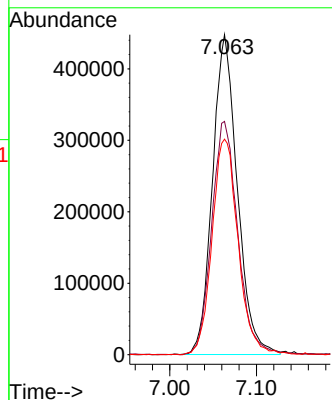
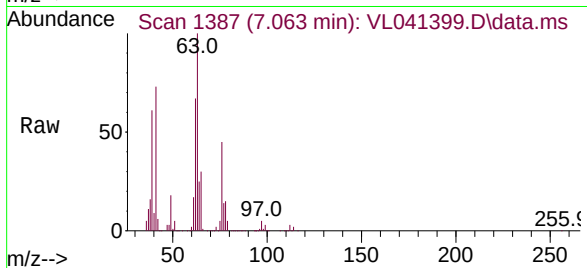
Tgt Ion: 63 Resp: 891517

Ion Ratio Lower Upper

63 100

41 72.9 58.3 87.5

62 67.4 53.9 80.9



#40

1,4-Dioxane

Concen: 11.182 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Tgt Ion: 88 Resp: 384473

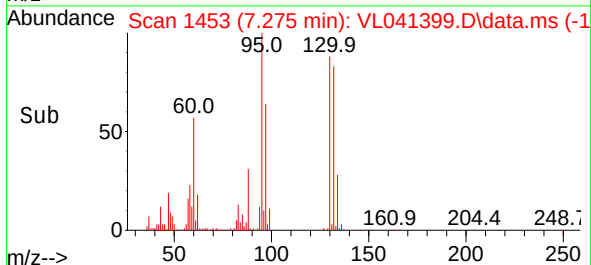
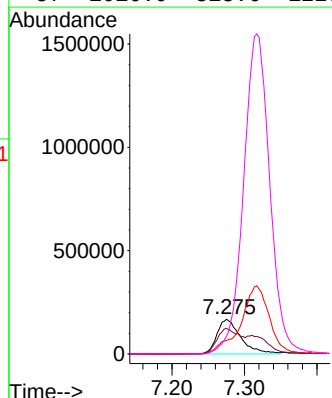
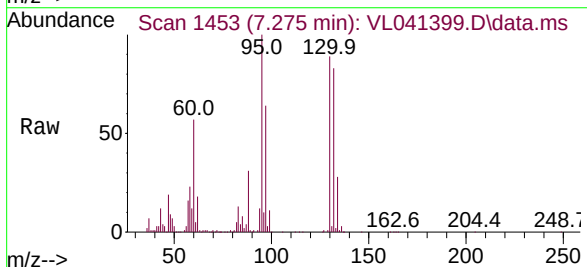
Ion Ratio Lower Upper

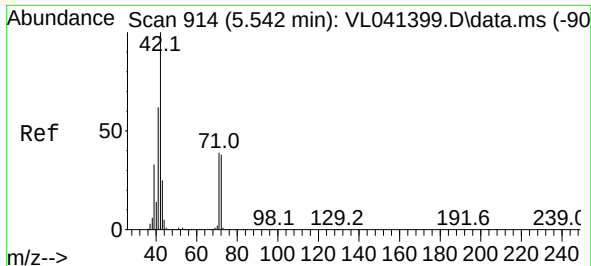
88 100

58 120.6 95.8 143.6

43 238.4 188.2 282.2

57 1016.9 813.6 1220.4





#41

Tetrahydrofuran

Concen: 8.495 ppbv

RT: 5.542 min Scan# 914

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

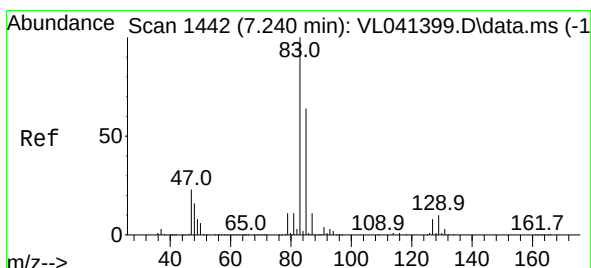
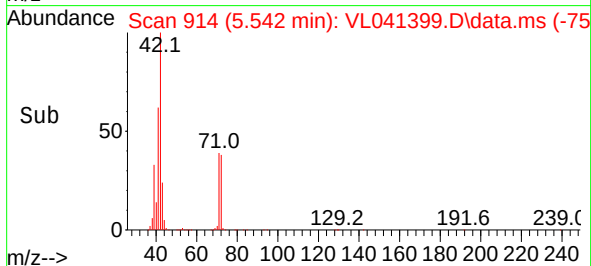
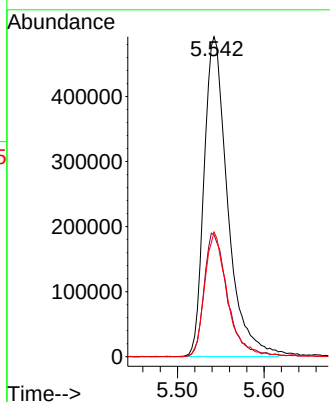
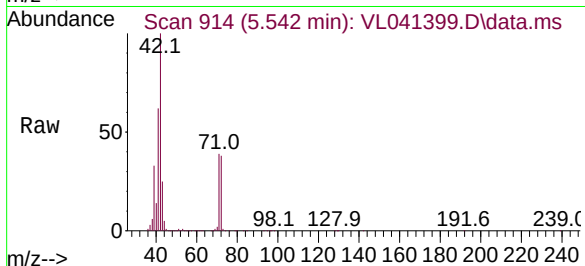
Tgt Ion: 42 Resp: 931064

Ion Ratio Lower Upper

42 100

72 39.0 31.2 46.8

71 38.1 30.5 45.7



#42

Bromodichloromethane

Concen: 8.675 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

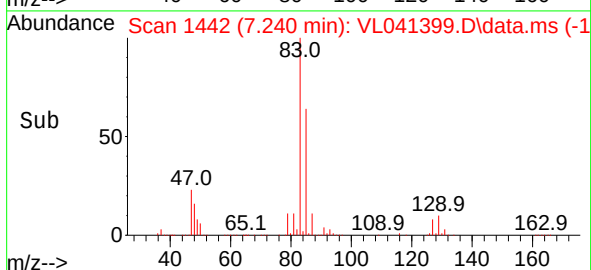
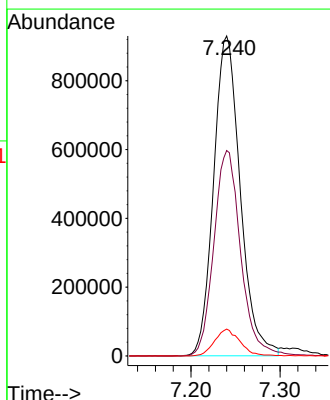
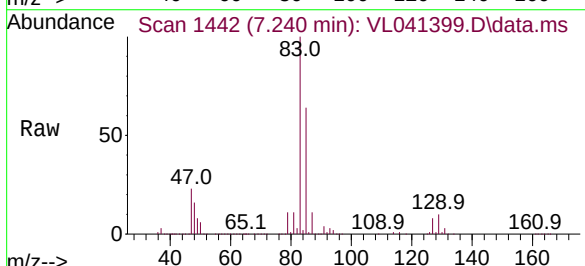
Tgt Ion: 83 Resp: 1932798

Ion Ratio Lower Upper

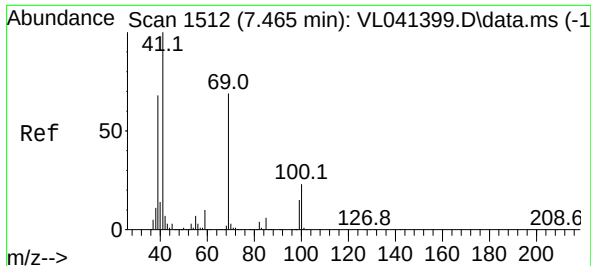
83 100

85 64.2 51.4 77.0

127 8.4 6.7 10.1







#43

Methyl Methacrylate

Concen: 9.097 ppbv

RT: 7.465 min Scan# 1512

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICCC010

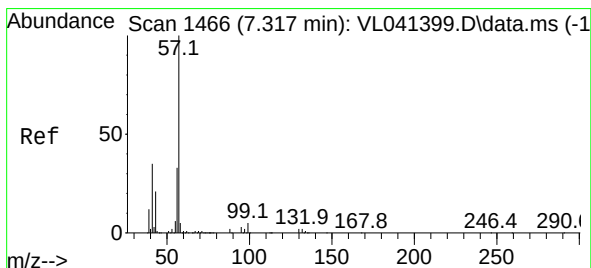
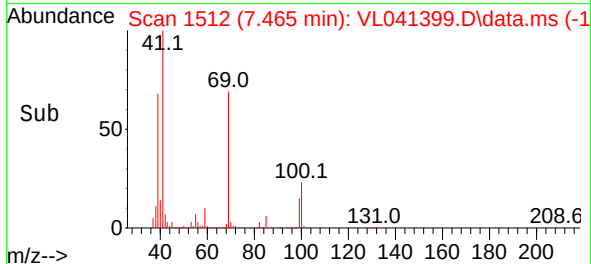
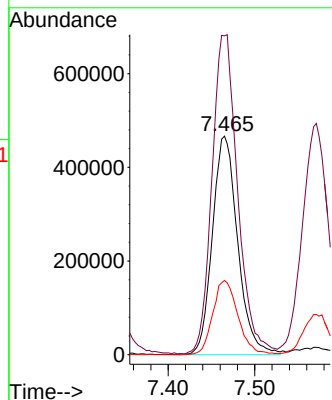
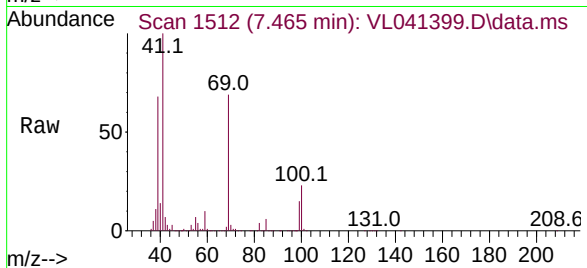
Tgt Ion: 69 Resp: 948521

Ion Ratio Lower Upper

69 100

41 148.4 118.7 178.1

100 33.7 27.0 40.4



#44

2,2,4-Trimethylpentane

Concen: 8.286 ppbv

RT: 7.317 min Scan# 1466

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

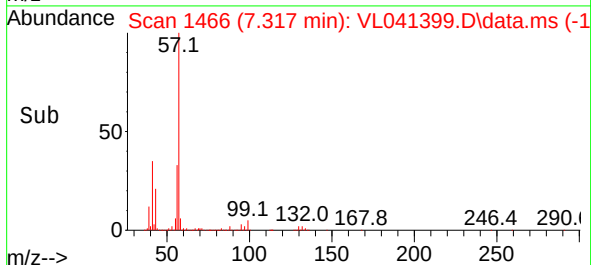
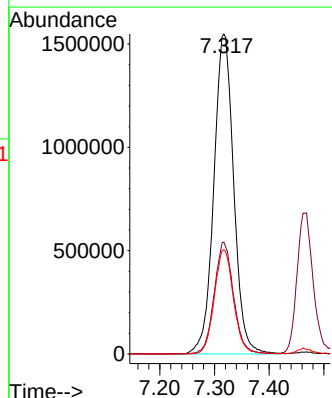
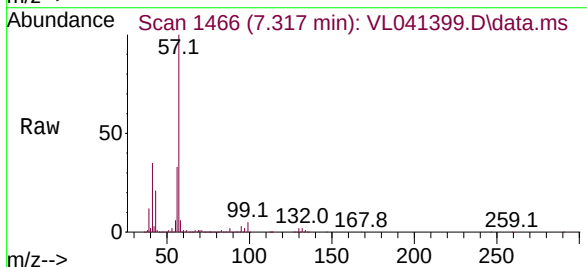
Tgt Ion: 57 Resp: 3907968

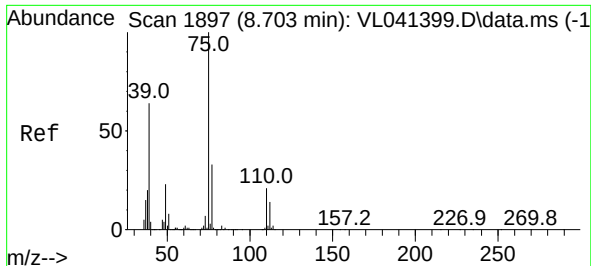
Ion Ratio Lower Upper

57 100

41 33.8 27.0 40.6

56 31.5 25.2 37.8





#45

t-1,3-Dichloropropene

Concen: 14.599 ppbv

RT: 8.703 min Scan# 1897

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

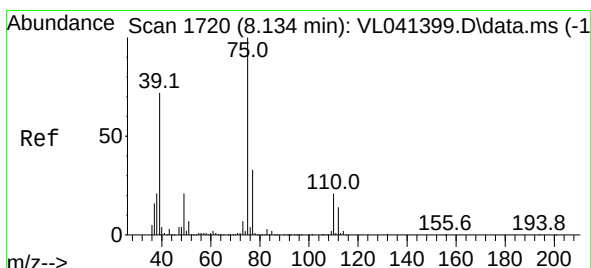
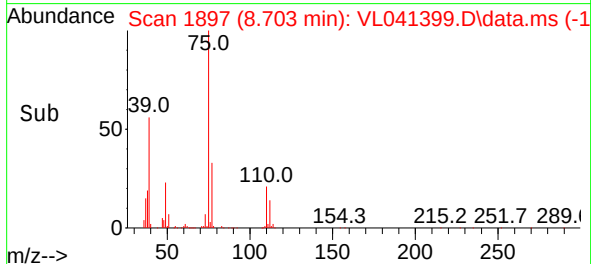
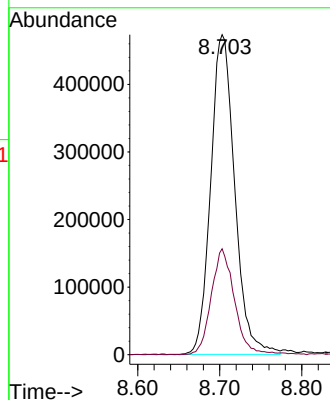
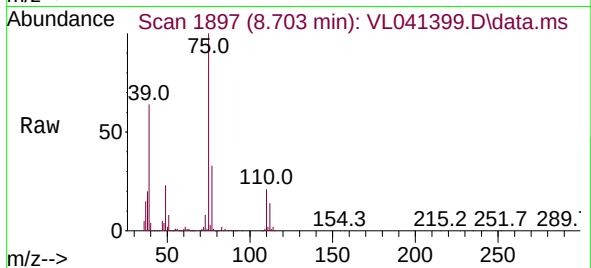
VSTDICCC010

Tgt Ion: 75 Resp: 963383

Ion Ratio Lower Upper

75 100

77 33.1 26.5 39.7



#46

cis-1,3-Dichloropropene

Concen: 14.444 ppbv

RT: 8.134 min Scan# 1720

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

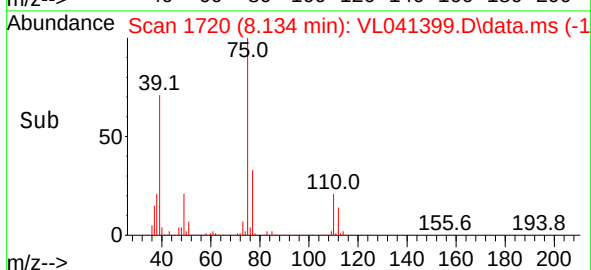
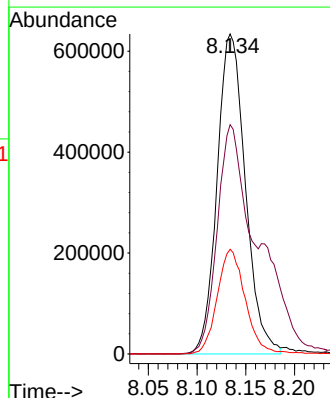
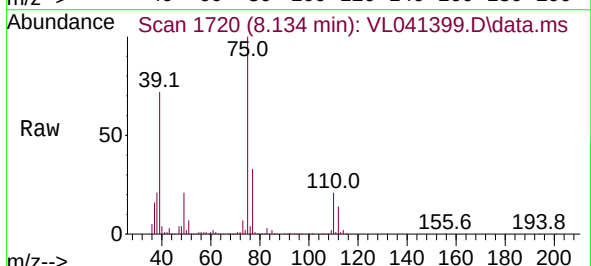
Tgt Ion: 75 Resp: 1281640

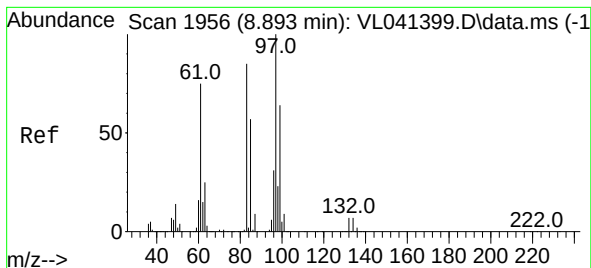
Ion Ratio Lower Upper

75 100

39 71.6 57.3 85.9

77 32.7 26.2 39.2





#47

1,1,2-Trichloroethane

Concen: 8.580 ppbv

RT: 8.893 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 97 Resp: 987016

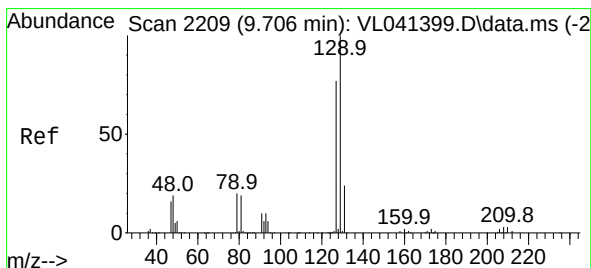
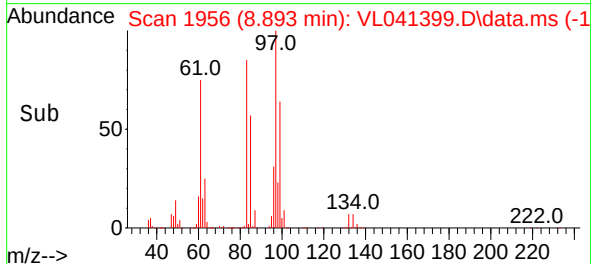
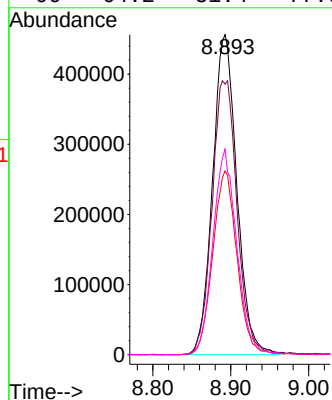
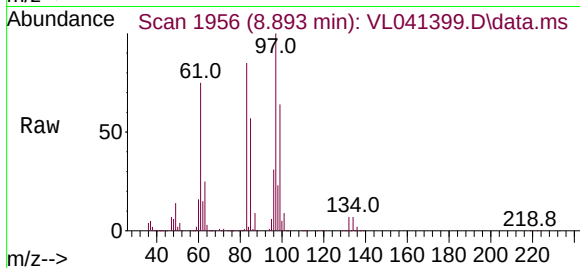
Ion Ratio Lower Upper

97 100

83 84.5 67.6 101.4

85 57.4 45.9 68.9

99 64.2 51.4 77.0



#48

Dibromochloromethane

Concen: 9.161 ppbv

RT: 9.706 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VL041399.D

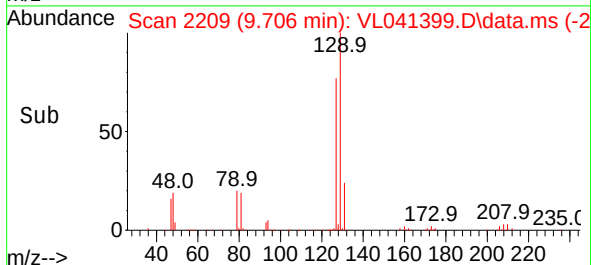
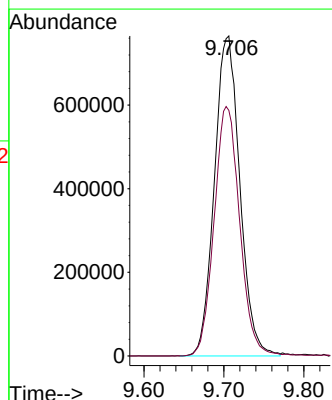
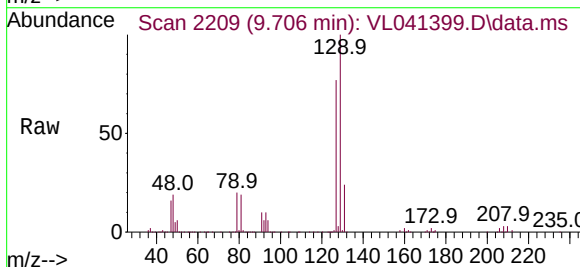
Acq: 25 Jul 2024 13:59

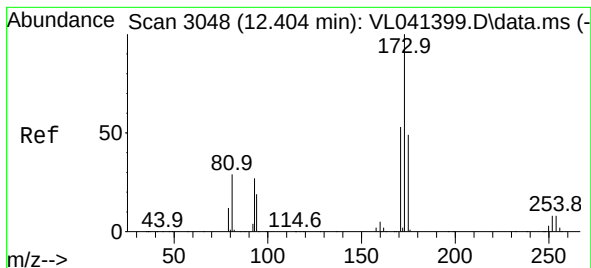
Tgt Ion: 129 Resp: 1692234

Ion Ratio Lower Upper

129 100

127 78.5 39.3 117.8





#49

Bromoform

Concen: 10.170 ppbv

RT: 12.404 min Scan# 3048

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

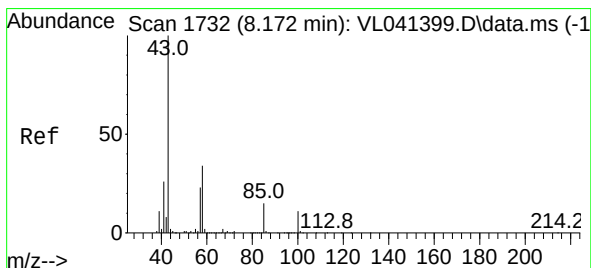
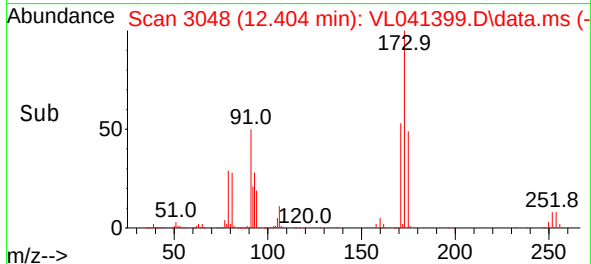
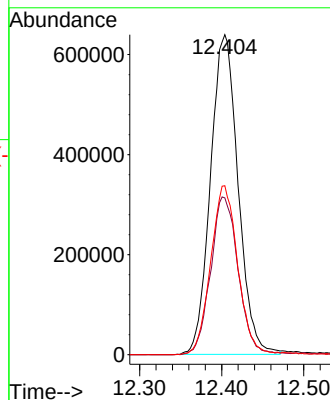
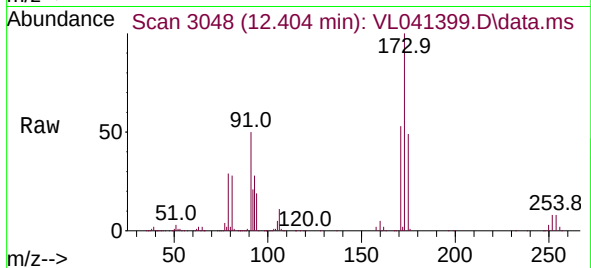
Tgt Ion:173 Resp: 1496236

Ion Ratio Lower Upper

173 100

175 49.2 39.9 59.9

171 52.1 41.7 62.5



#50

4-Methyl-2-Pentanone

Concen: 9.163 ppbv

RT: 8.172 min Scan# 1732

Delta R.T. 0.000 min

Lab File: VL041399.D

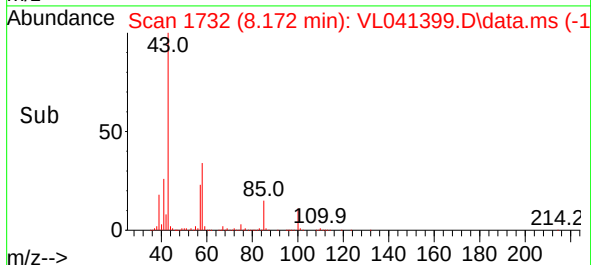
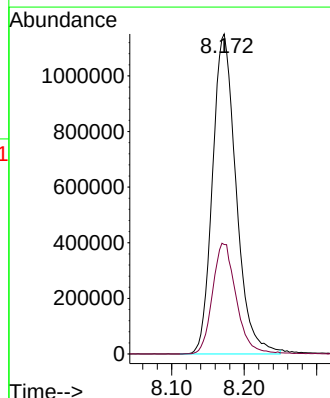
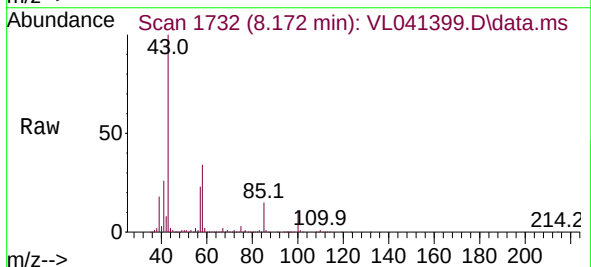
Acq: 25 Jul 2024 13:59

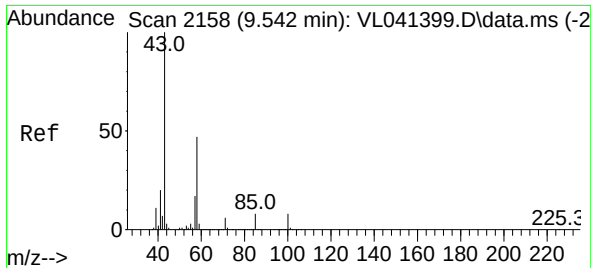
Tgt Ion: 43 Resp: 2603717

Ion Ratio Lower Upper

43 100

58 34.9 27.9 41.9

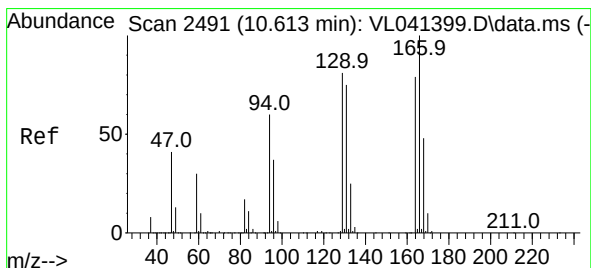
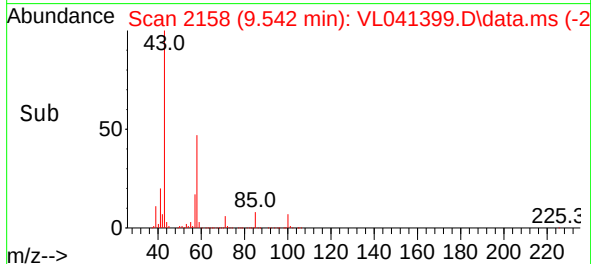
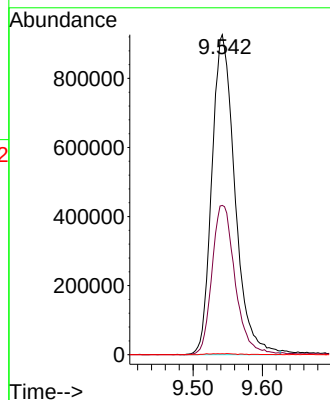
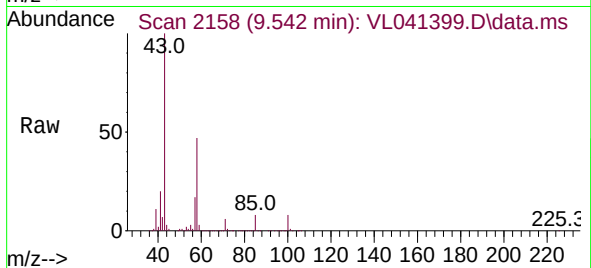




#51  
2-Hexanone  
Concen: 10.601 ppbv  
RT: 9.542 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

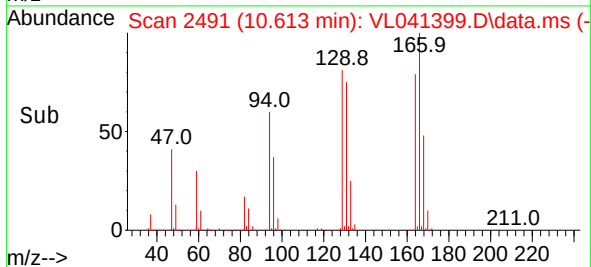
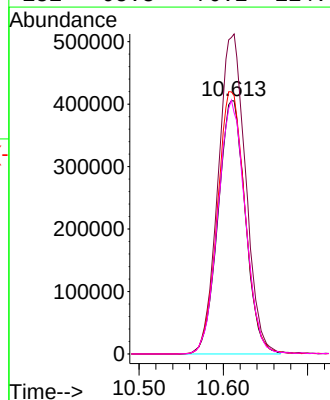
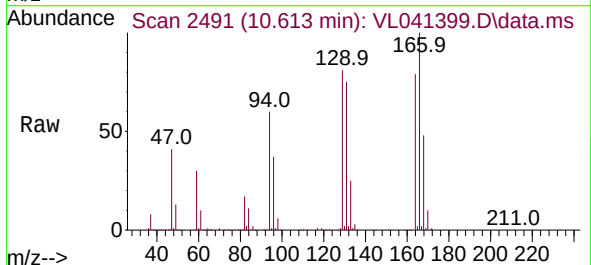
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

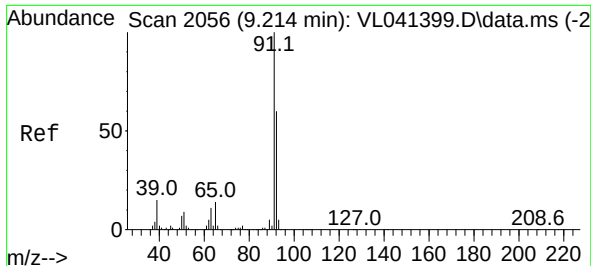
Tgt Ion: 43 Resp: 2141345  
Ion Ratio Lower Upper  
43 100  
58 47.6 38.2 57.2  
98 0.5 0.3 0.5



#52  
Tetrachloroethene  
Concen: 8.147 ppbv  
RT: 10.613 min Scan# 2491  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion:164 Resp: 907950  
Ion Ratio Lower Upper  
164 100  
166 126.4 101.1 151.7  
129 102.1 81.7 122.5  
131 95.3 76.2 114.4





#53

Toluene

Concen: 8.880 ppbv

RT: 9.214 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

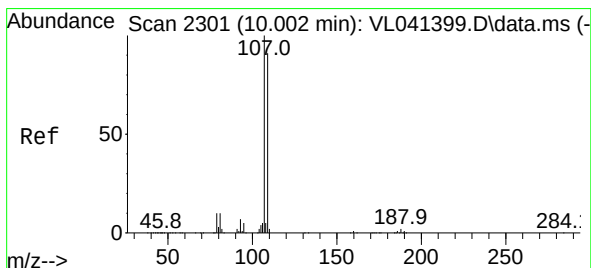
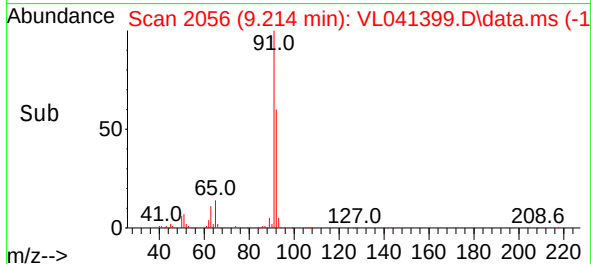
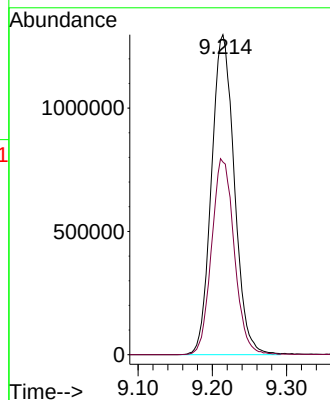
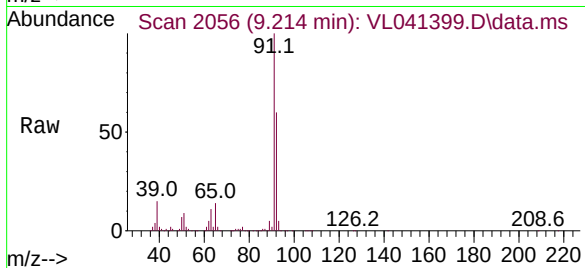
VSTDICCC010

Tgt Ion: 91 Resp: 2779504

Ion Ratio Lower Upper

91 100

92 60.9 48.7 73.1



#54

1,2-Dibromoethane

Concen: 10.105 ppbv

RT: 10.002 min Scan# 2301

Delta R.T. 0.000 min

Lab File: VL041399.D

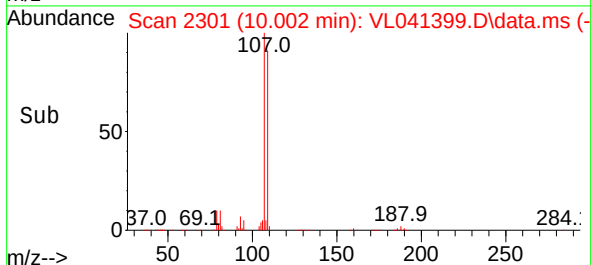
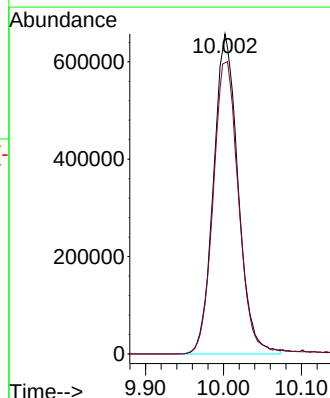
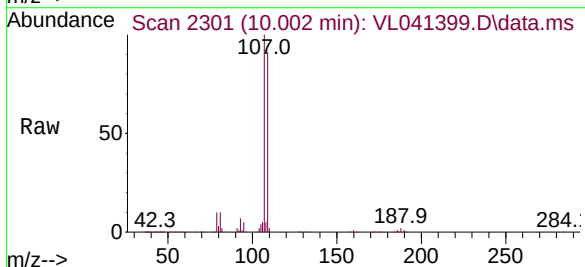
Acq: 25 Jul 2024 13:59

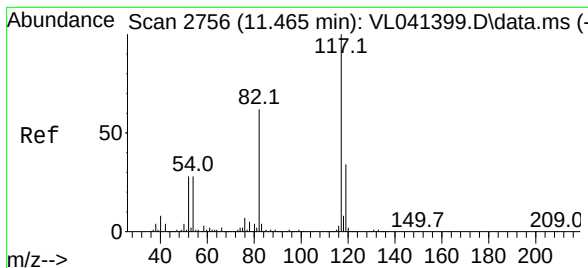
Tgt Ion:107 Resp: 1438535

Ion Ratio Lower Upper

107 100

109 90.9 72.7 109.1

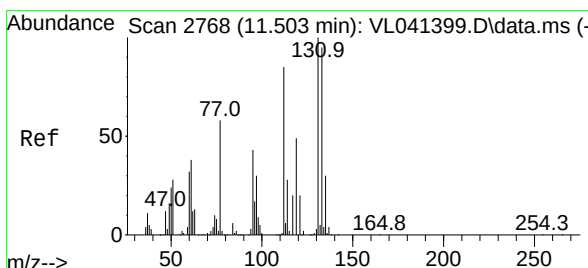
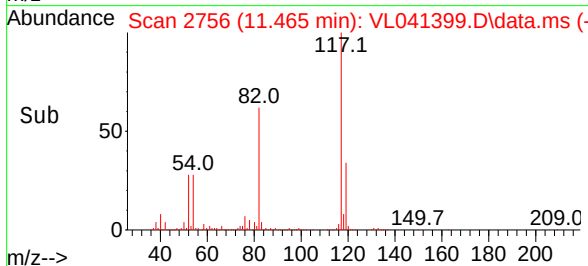
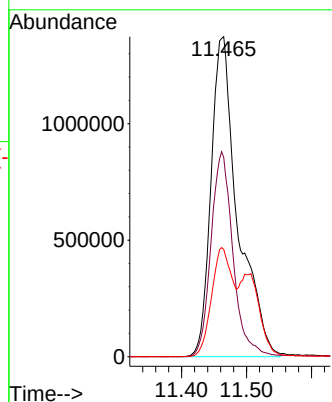
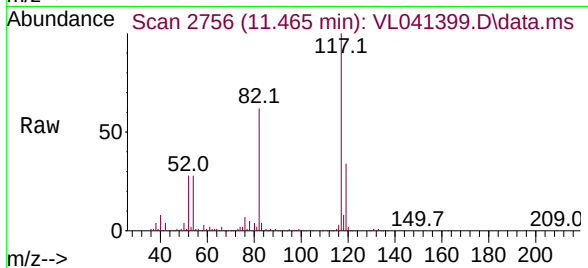




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 2756  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

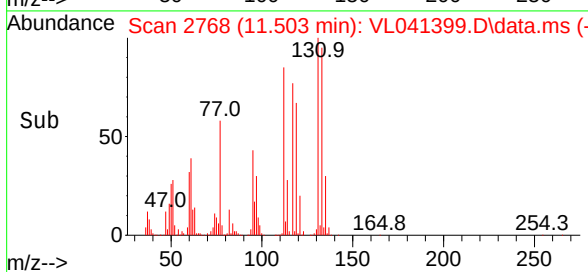
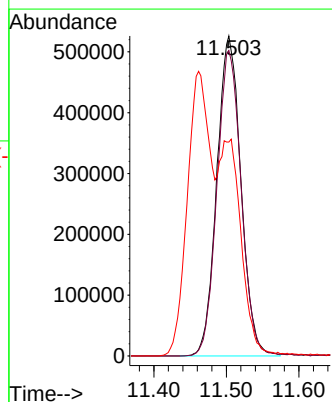
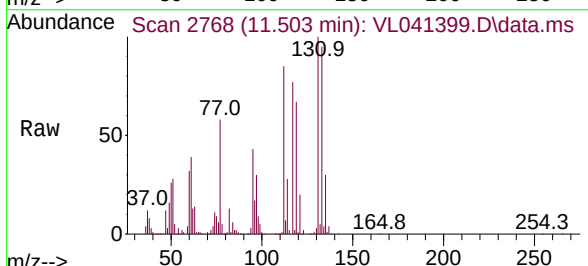
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

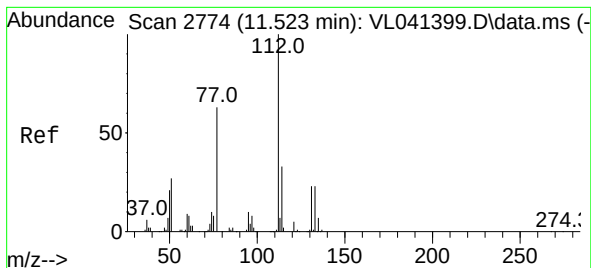
Tgt Ion:117 Resp: 3929836  
Ion Ratio Lower Upper  
117 100  
82 53.2 51.0 76.6  
119 26.7 45.2 67.8#



#56  
1,1,1,2-Tetrachloroethane  
Concen: 6.863 ppbv  
RT: 11.503 min Scan# 2768  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion:131 Resp: 1213659  
Ion Ratio Lower Upper  
131 100  
133 96.6 77.0 115.4  
119 65.1 121.5 182.3#

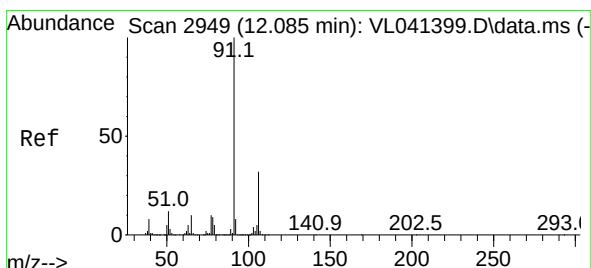
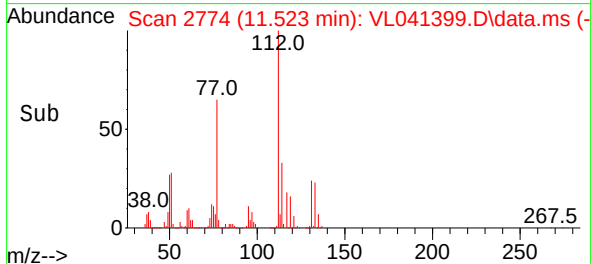
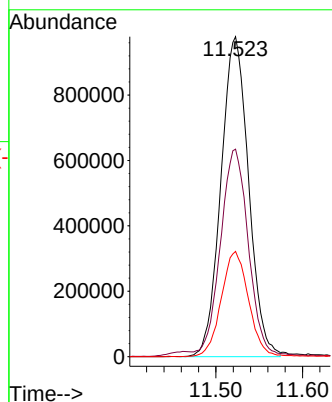
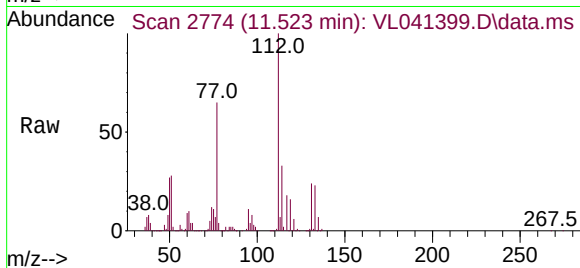




#57  
Chlorobenzene  
Concen: 7.053 ppbv  
RT: 11.523 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

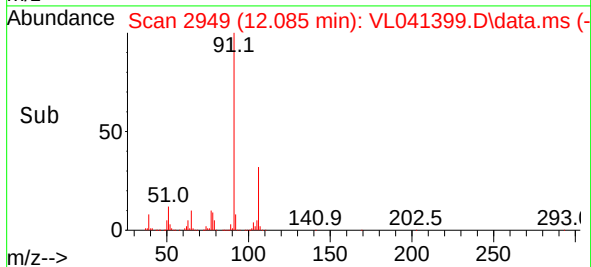
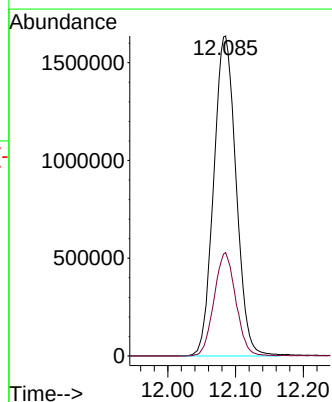
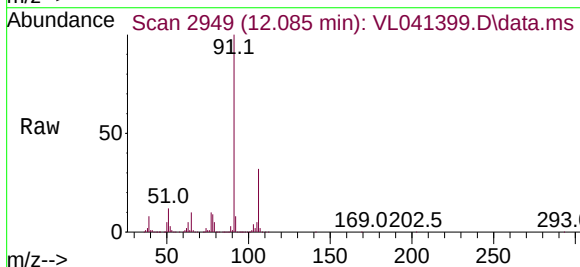
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

Tgt Ion:112 Resp: 2174265  
Ion Ratio Lower Upper  
112 100  
77 63.9 51.1 76.7  
114 32.8 29.5 36.1

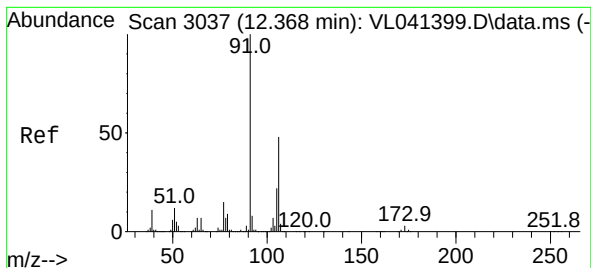


#58  
Ethyl Benzene  
Concen: 7.138 ppbv  
RT: 12.085 min Scan# 2949  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 91 Resp: 3752771  
Ion Ratio Lower Upper  
91 100  
106 32.3 25.8 38.8



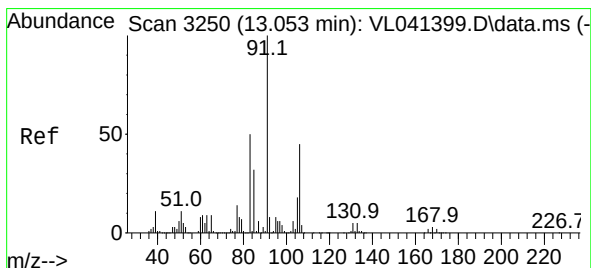
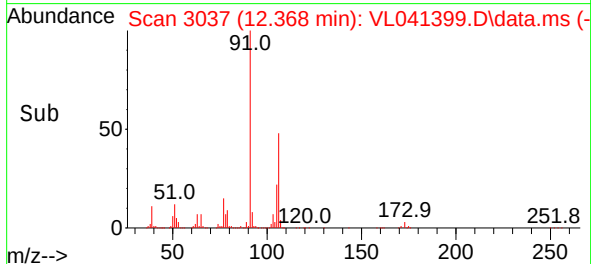
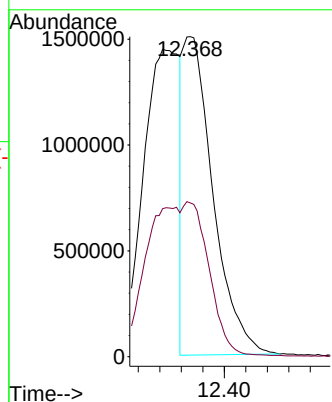
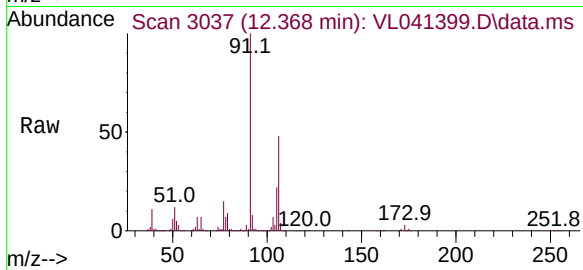




#59  
m/p-Xylene  
Concen: 6.454 ppbv  
RT: 12.368 min Scan# 3037  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

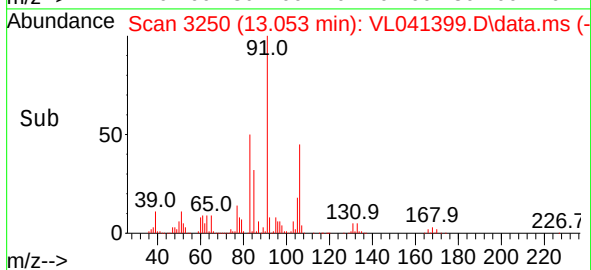
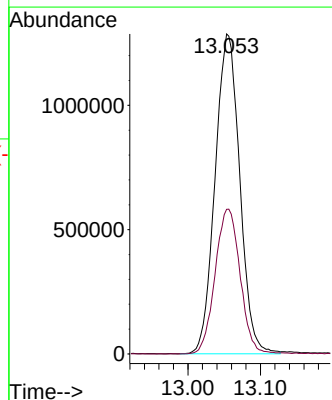
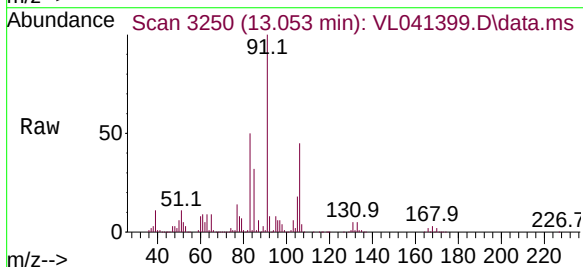
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

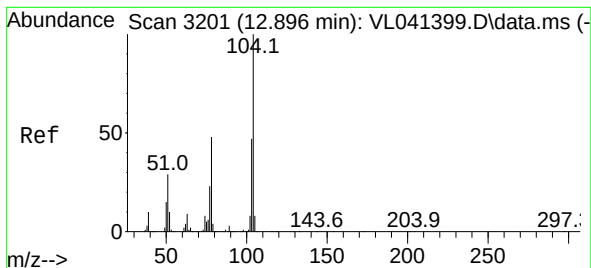
Tgt Ion: 91 Resp: 2936548  
Ion Ratio Lower Upper  
91 100  
106 98.7 36.3 54.5#



#60  
o-Xylene  
Concen: 7.071 ppbv  
RT: 13.053 min Scan# 3250  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion: 91 Resp: 3036791  
Ion Ratio Lower Upper  
91 100  
106 46.2 23.1 69.3





#61

Styrene

Concen: 7.257 ppbv

RT: 12.896 min Scan# 3201

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICCC010

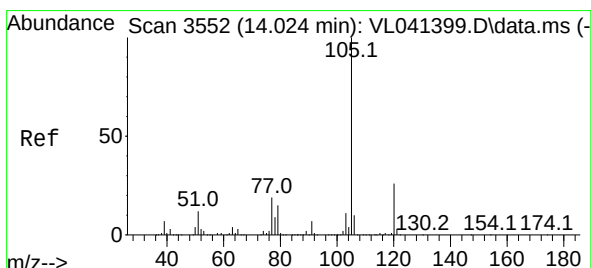
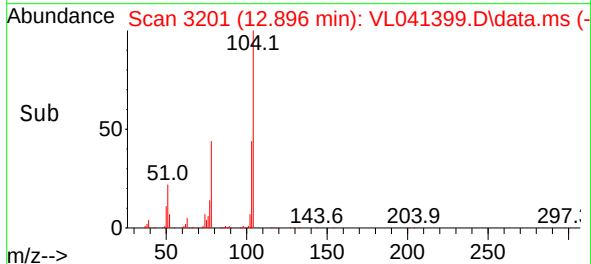
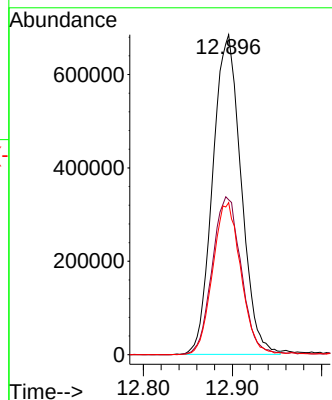
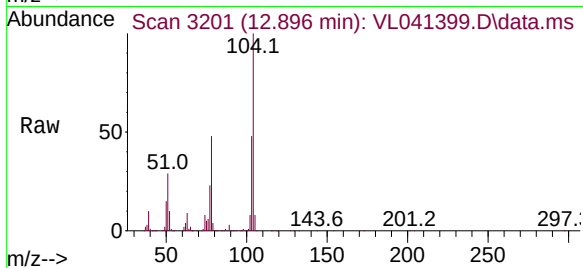
Tgt Ion:104 Resp: 1513410

Ion Ratio Lower Upper

104 100

78 50.9 40.8 61.2

103 47.8 38.2 57.4



#62

Isopropylbenzene

Concen: 6.730 ppbv

RT: 14.024 min Scan# 3552

Delta R.T. 0.000 min

Lab File: VL041399.D

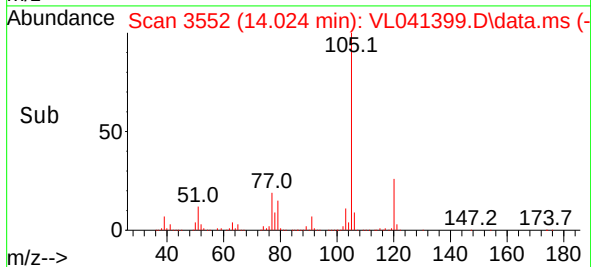
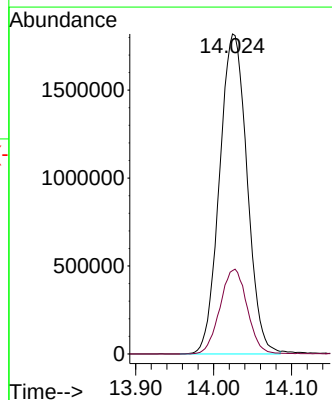
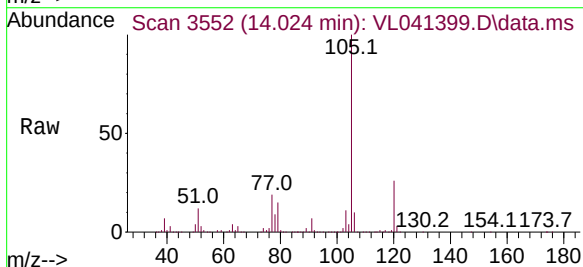
Acq: 25 Jul 2024 13:59

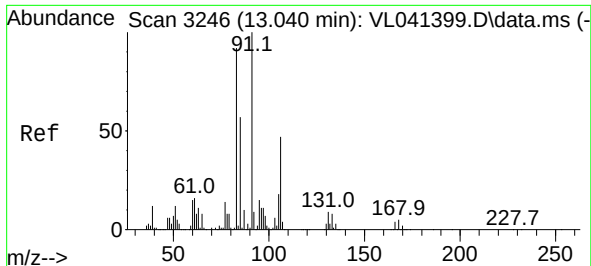
Tgt Ion:105 Resp: 4462038

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.4

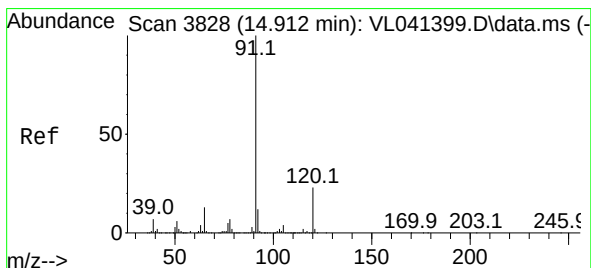
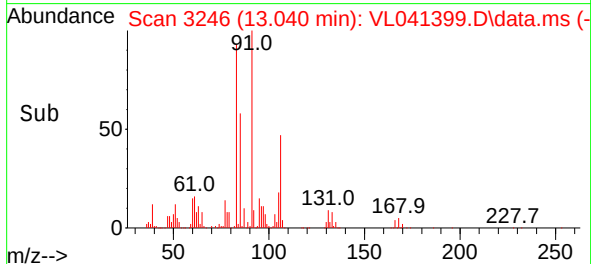
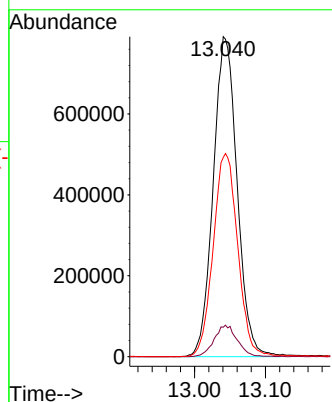
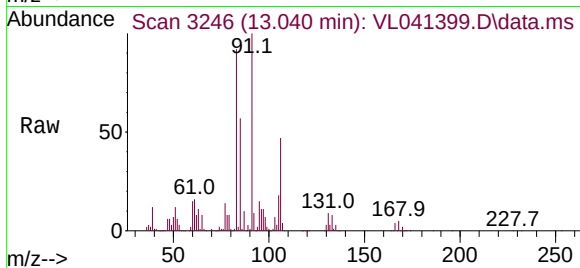




#63  
1,1,2,2-Tetrachloroethane  
Concen: 5.480 ppbv  
RT: 13.040 min Scan# 3246  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

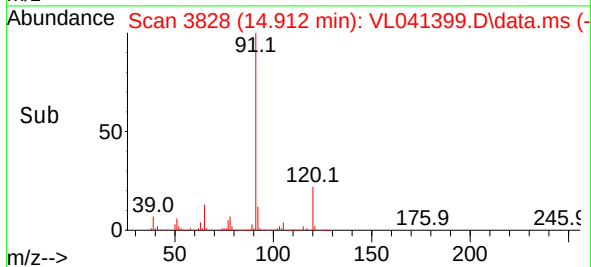
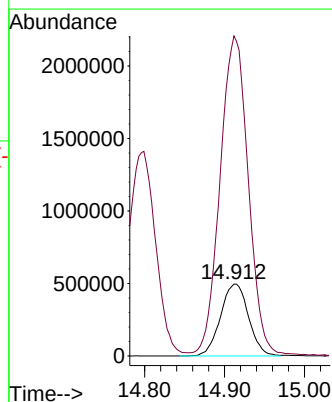
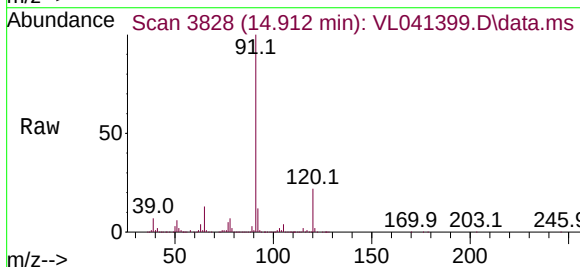
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

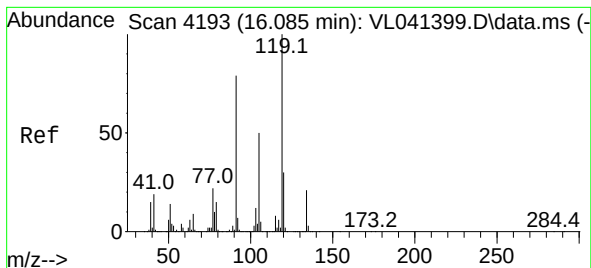
Tgt Ion: 83 Resp: 1853886  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.8 14.4  
85 65.3 32.6 98.0



#64  
n-propylbenzene  
Concen: 6.965 ppbv  
RT: 14.912 min Scan# 3828  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion:120 Resp: 1205437  
Ion Ratio Lower Upper  
120 100  
91 451.7 361.4 542.0





#65

tert-Butylbenzene

Concen: 6.822 ppbv

RT: 16.085 min Scan# 4193

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

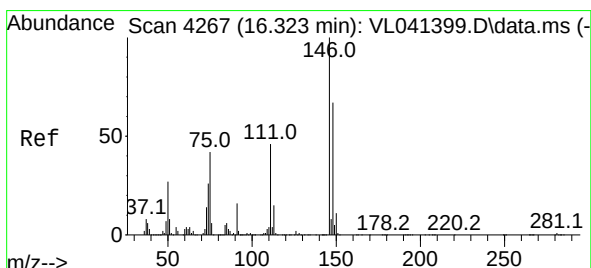
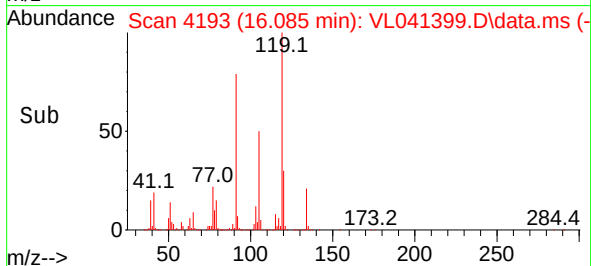
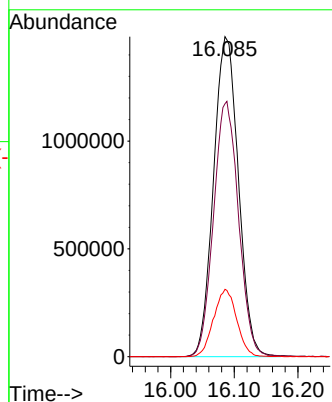
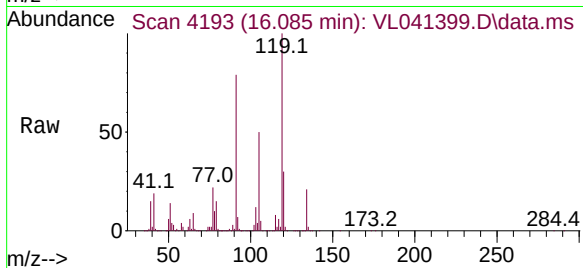
Tgt Ion:119 Resp: 4027165

Ion Ratio Lower Upper

119 100

91 80.2 64.2 96.2

134 19.6 15.7 23.5



#66

Benzyl Chloride

Concen: 7.721 ppbv

RT: 16.323 min Scan# 4267

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

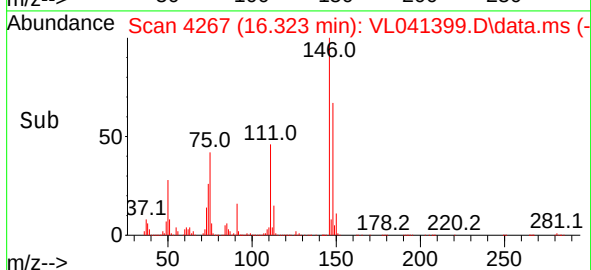
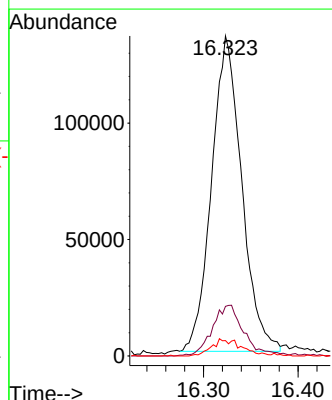
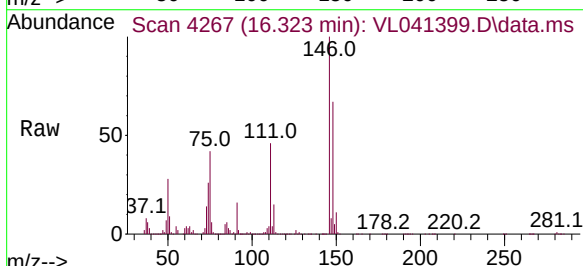
Tgt Ion: 91 Resp: 299511

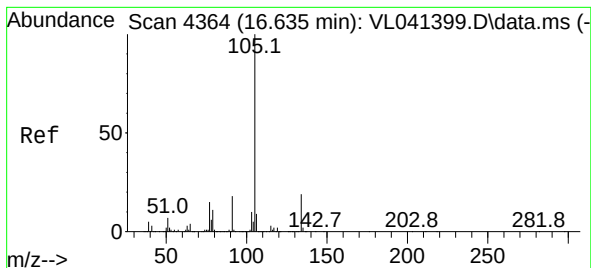
Ion Ratio Lower Upper

91 100

126 17.3 13.8 20.8

128 5.5 4.4 6.6





#67

sec-Butylbenzene

Concen: 6.714 ppbv

RT: 16.635 min Scan# 4364

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

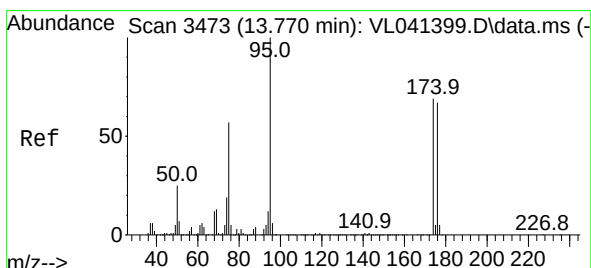
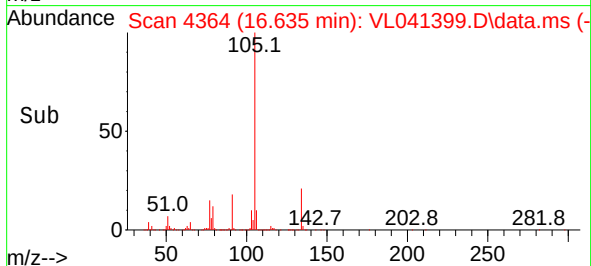
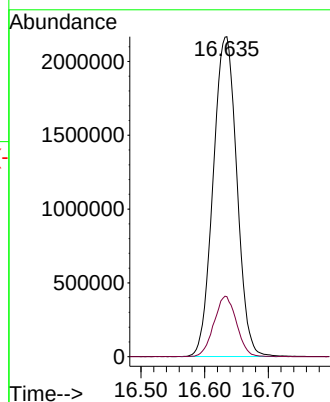
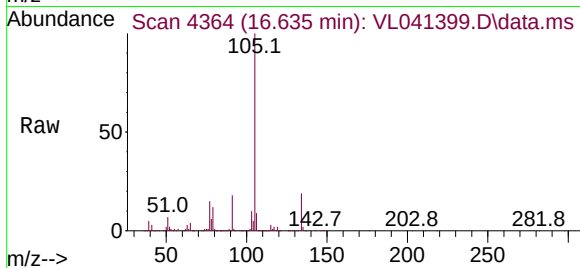
VSTDICCC010

Tgt Ion:105 Resp: 5605419

Ion Ratio Lower Upper

105 100

134 18.1 14.5 21.7



#68

1-Bromo-4-Fluorobenzene

Concen: 8.658 ppbv

RT: 13.770 min Scan# 3473

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

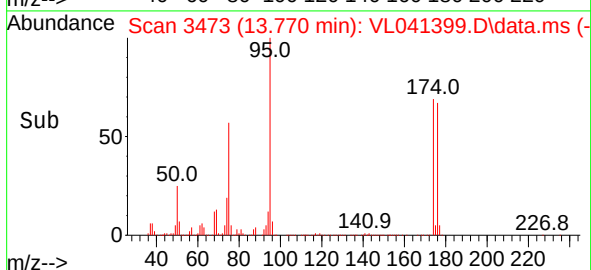
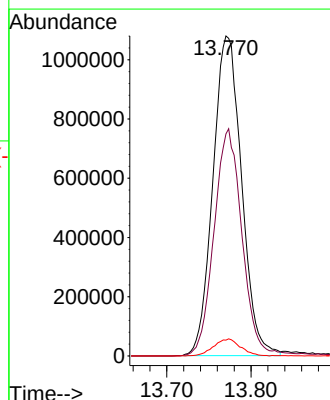
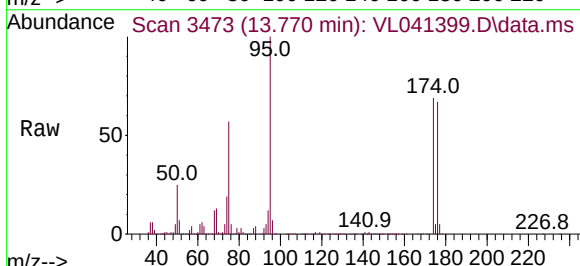
Tgt Ion: 95 Resp: 2550034

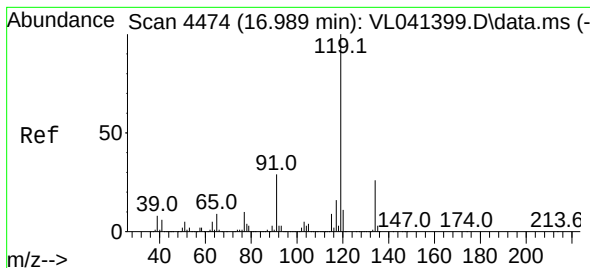
Ion Ratio Lower Upper

95 100

174 70.5 56.3 84.5

175 5.1 4.0 6.0





#69

p-Isopropyltoluene

Concen: 6.870 ppbv

RT: 16.989 min Scan# 4474

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_1

ClientSampleId :

VSTDICCC010

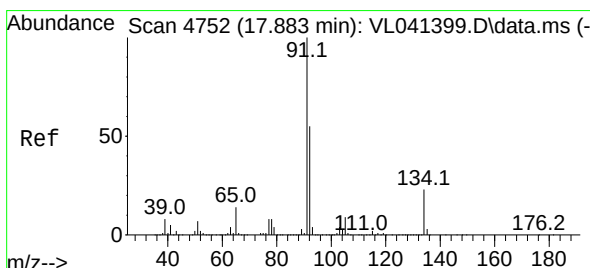
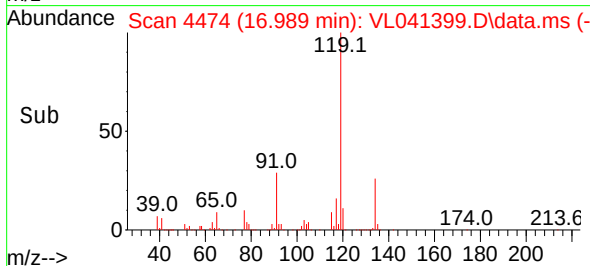
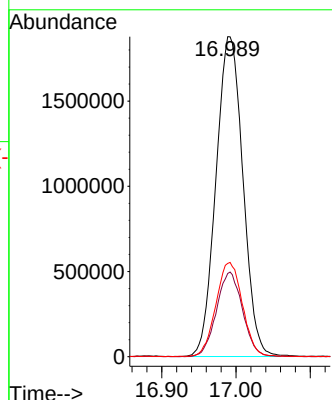
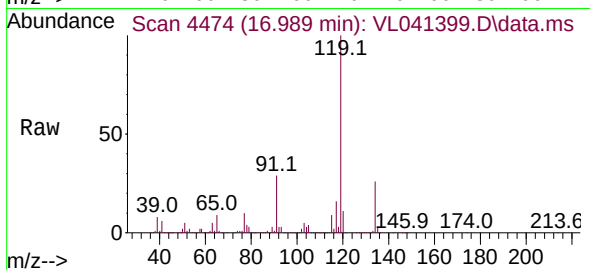
Tgt Ion:119 Resp: 4737222

Ion Ratio Lower Upper

119 100

134 25.6 20.5 30.7

91 29.0 23.2 34.8



#70

n-Butylbenzene

Concen: 6.883 ppbv

RT: 17.883 min Scan# 4752

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

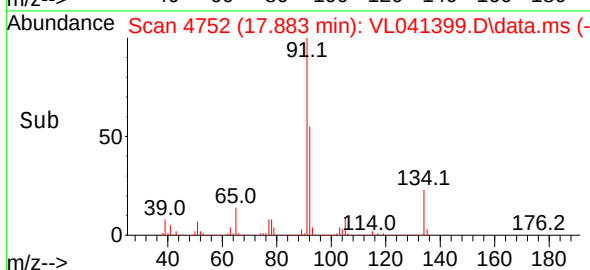
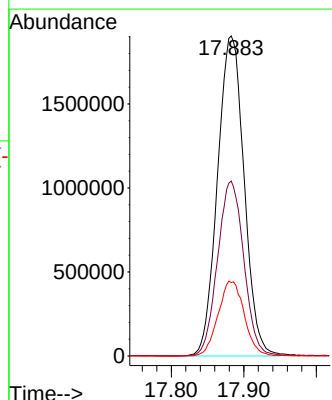
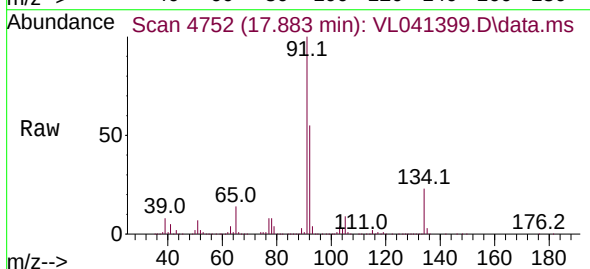
Tgt Ion: 91 Resp: 4851380

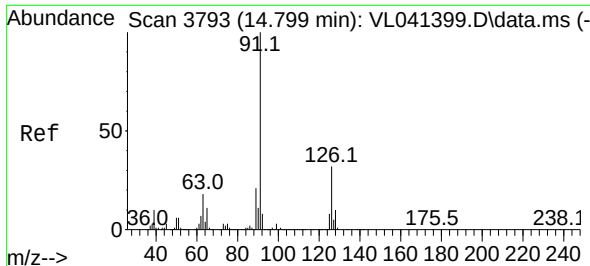
Ion Ratio Lower Upper

91 100

92 54.0 43.2 64.8

134 23.1 18.5 27.7

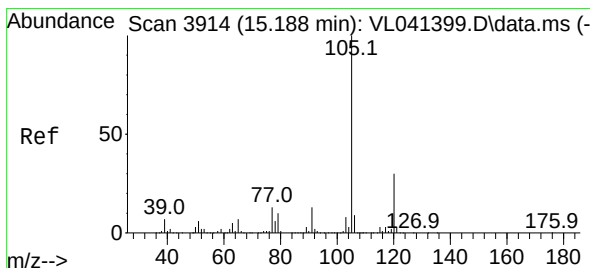
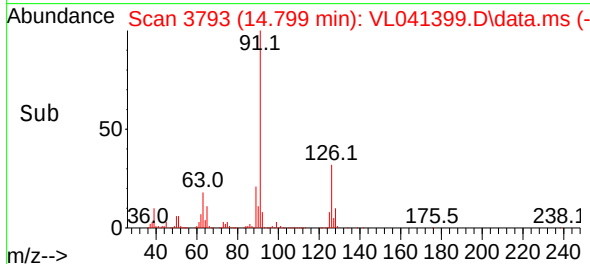
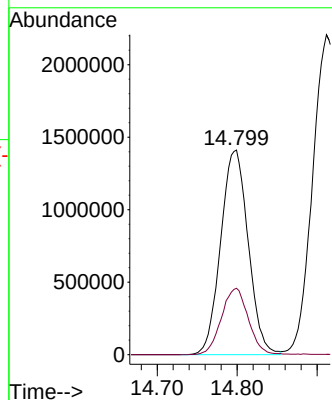
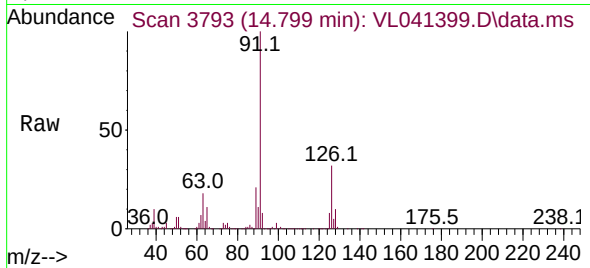




#71  
2-Chlorotoluene  
Concen: 6.840 ppbv  
RT: 14.799 min Scan# 3793  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

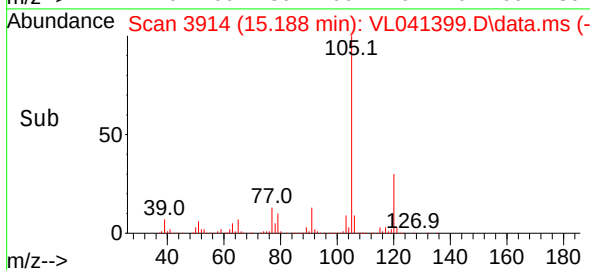
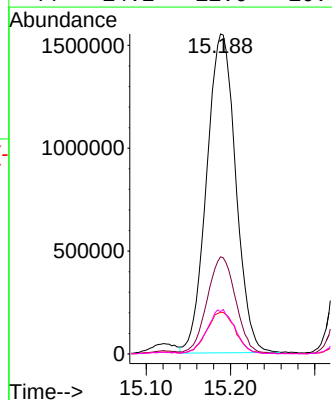
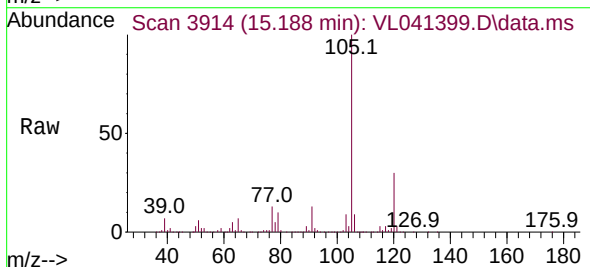
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICCC010

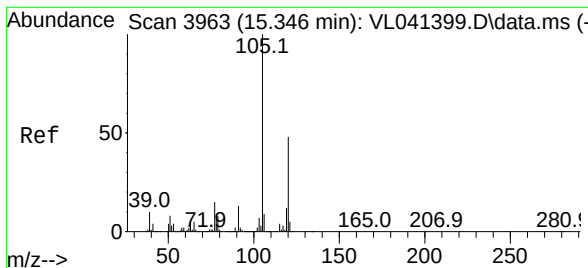
Tgt Ion: 91 Resp: 3368997  
Ion Ratio Lower Upper  
91 100  
126 31.8 12.7 50.9



#72  
4-Ethyltoluene  
Concen: 7.256 ppbv  
RT: 15.188 min Scan# 3914  
Delta R.T. 0.000 min  
Lab File: VL041399.D  
Acq: 25 Jul 2024 13:59

Tgt Ion:105 Resp: 3711228  
Ion Ratio Lower Upper  
105 100  
120 31.1 24.2 36.2  
91 13.0 10.4 15.6  
77 14.2 11.0 16.4





#73

1,3,5-Trimethylbenzene

Concen: 7.253 ppbv

RT: 15.346 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_1

ClientSampleId :

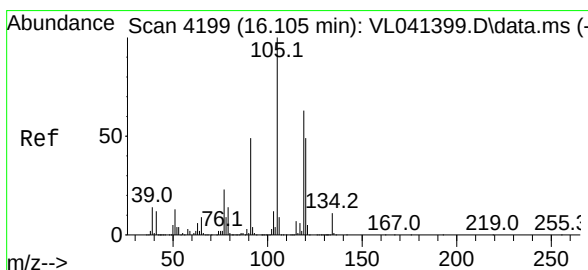
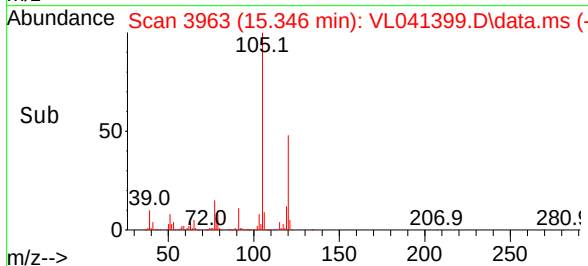
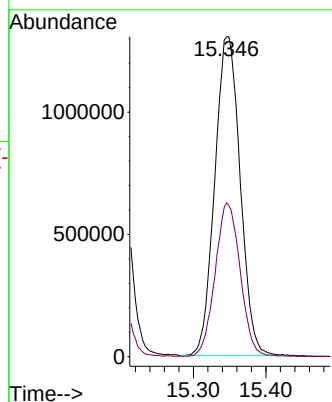
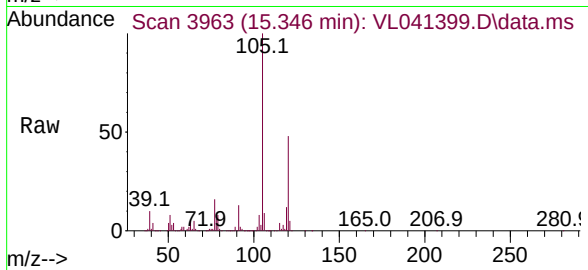
VSTDICCC010

Tgt Ion:105 Resp: 3175291

Ion Ratio Lower Upper

105 100

120 48.2 38.6 57.8



#74

1,2,4-Trimethylbenzene

Concen: 7.100 ppbv

RT: 16.105 min Scan# 4199

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Tgt Ion:105 Resp: 3502689

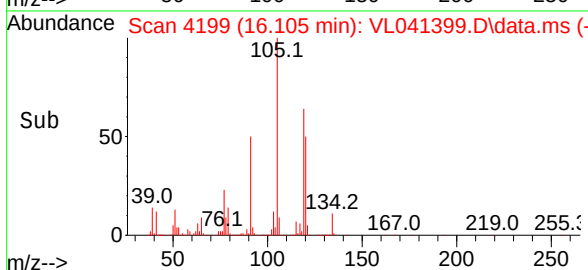
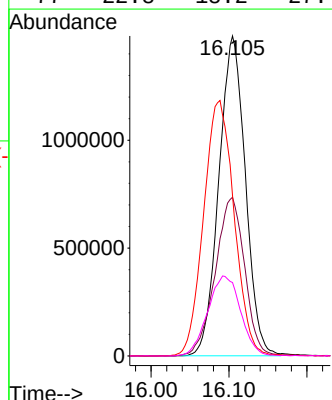
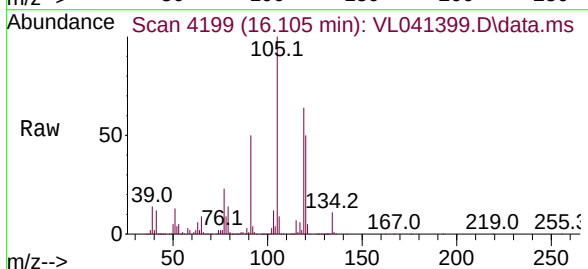
Ion Ratio Lower Upper

105 100

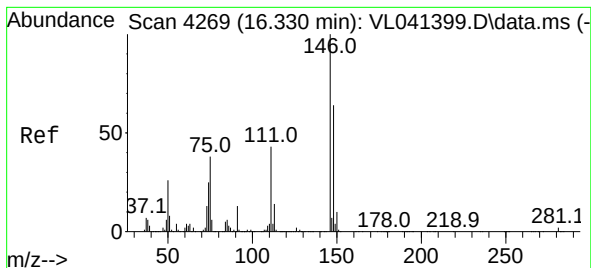
120 49.4 39.5 59.3

91 49.8 39.8 59.8

77 22.8 18.2 27.4







#75

1,3-Dichlorobenzene

Concen: 7.493 ppbv

RT: 16.330 min Scan# 4269

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICCC010

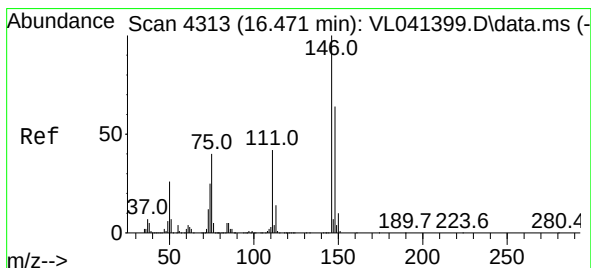
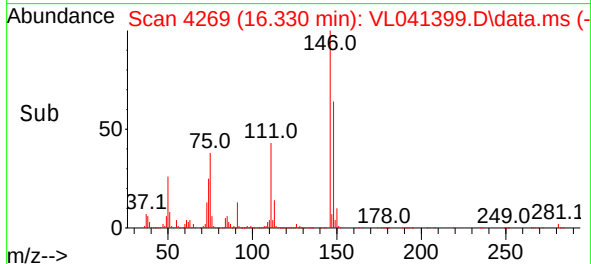
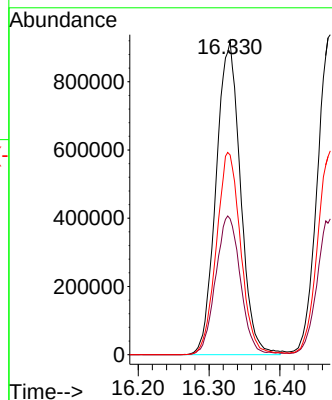
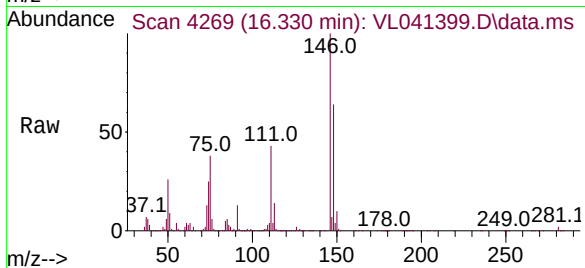
Tgt Ion:146 Resp: 2192883

Ion Ratio Lower Upper

146 100

111 45.1 22.6 67.8

148 64.5 32.3 96.8



#76

1,4-Dichlorobenzene

Concen: 7.341 ppbv

RT: 16.471 min Scan# 4313

Delta R.T. 0.000 min

Lab File: VL041399.D

Acq: 25 Jul 2024 13:59

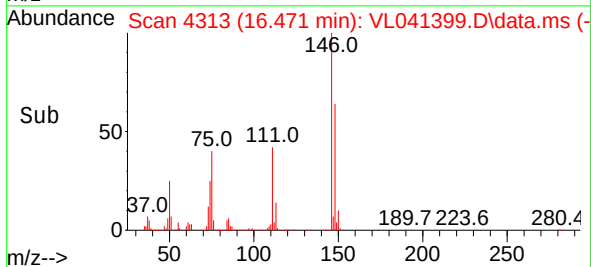
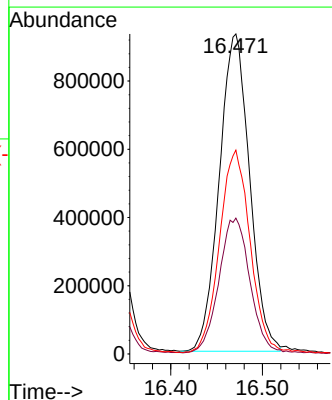
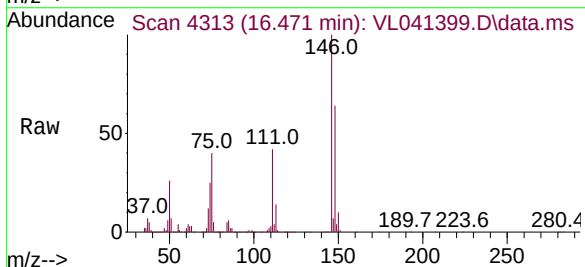
Tgt Ion:146 Resp: 2140459

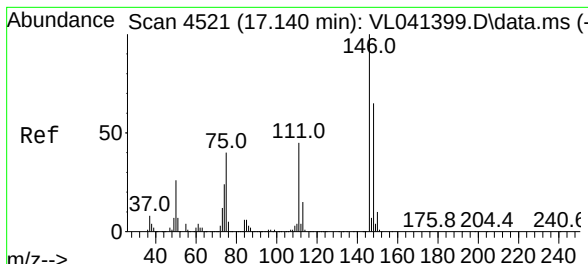
Ion Ratio Lower Upper

146 100

111 44.6 22.4 67.0

148 66.3 33.1 99.5



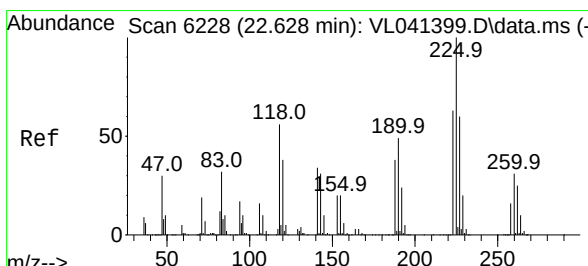
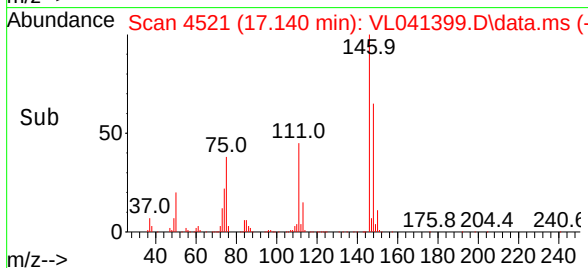
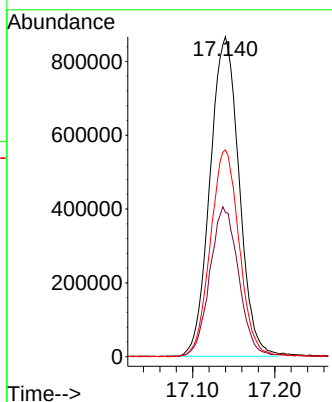
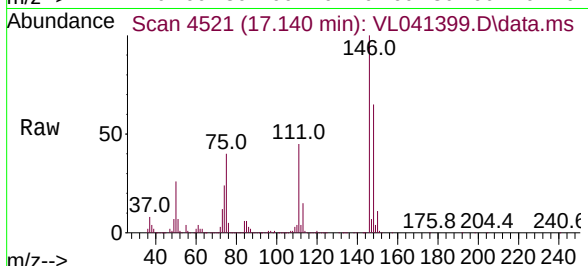


#77  
 1,2-Dichlorobenzene  
 Concen: 7.144 ppbv  
 RT: 17.140 min Scan# 4521  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion:146 Resp: 2131506

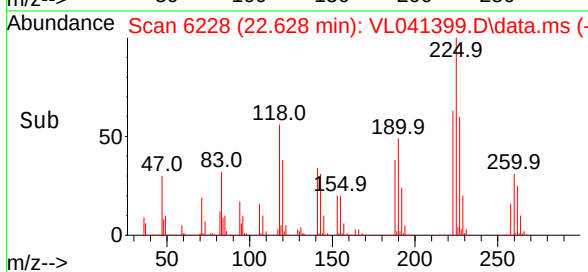
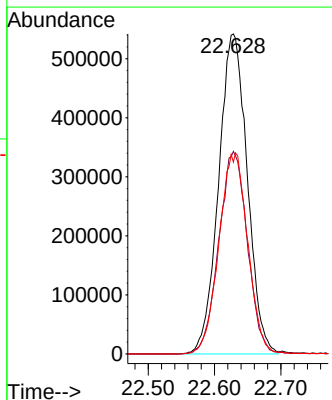
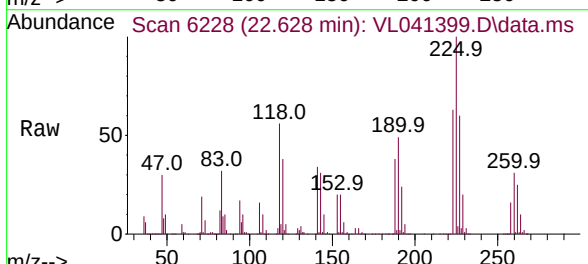
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 146 | 100   |       |       |
| 111 | 46.7  | 23.4  | 70.0  |
| 148 | 64.4  | 32.2  | 96.6  |

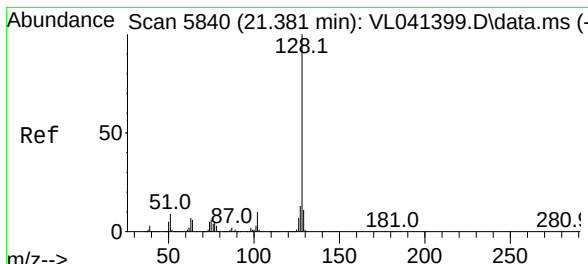


#78  
 Hexachloro-1,3-Butadiene  
 Concen: 7.493 ppbv  
 RT: 22.628 min Scan# 6228  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Tgt Ion:225 Resp: 1626038

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 225 | 100   |       |       |
| 223 | 63.2  | 50.6  | 76.0  |
| 227 | 63.3  | 50.8  | 76.2  |



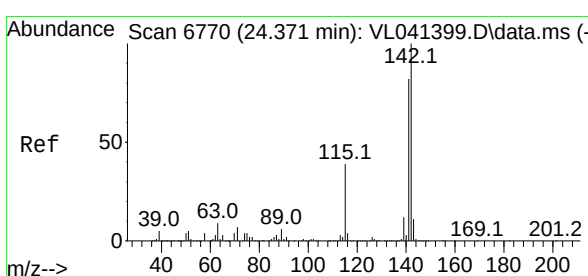
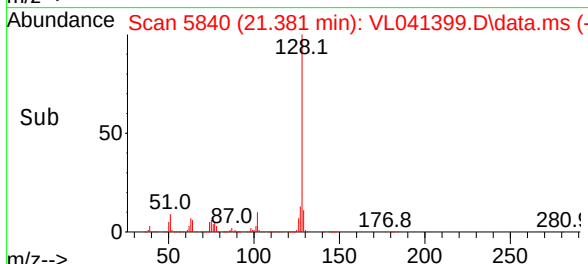
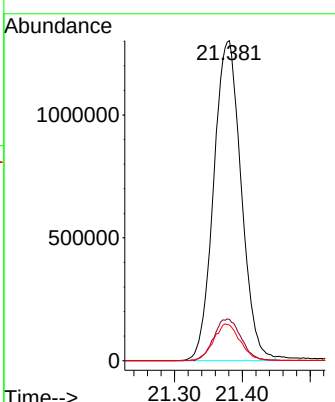
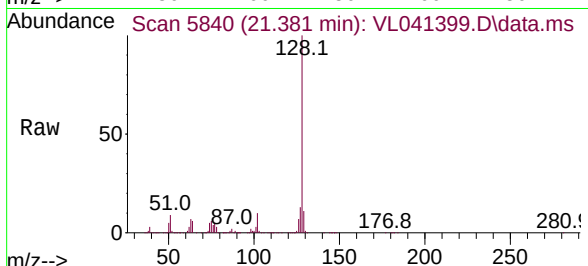


#79  
 Naphthalene  
 Concen: 13.830 ppbv  
 RT: 21.381 min Scan# 5840  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDICCC010

Tgt Ion:128 Resp: 3669460

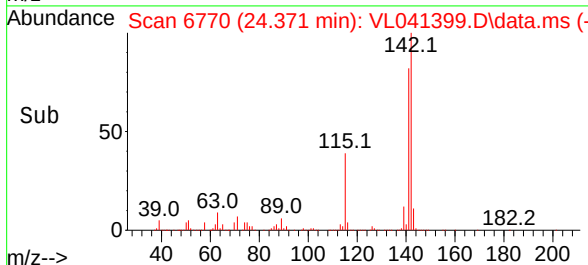
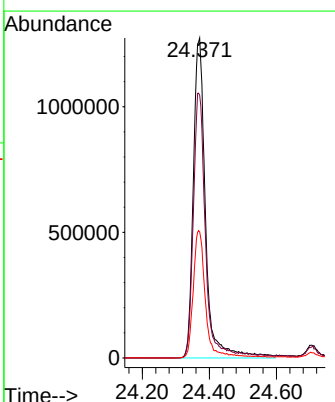
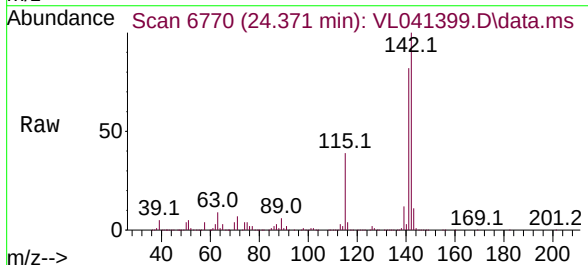
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 12.9  | 10.3  | 15.5  |
| 129 | 11.2  | 9.0   | 13.4  |

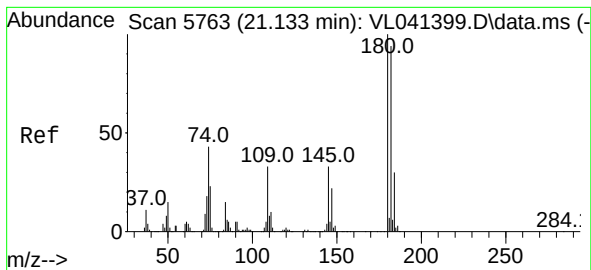


#80  
 Naphthalene, 2-methyl-  
 Concen: 4634.164 ppbv  
 RT: 24.371 min Scan# 6770  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Tgt Ion:142 Resp: 3235986

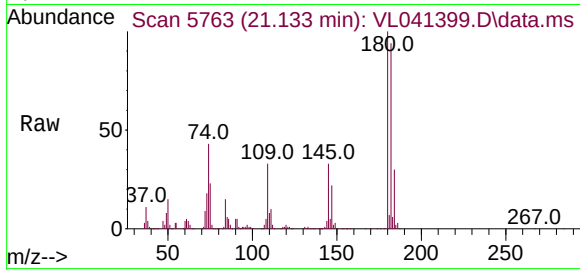
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 83.7  | 67.0  | 100.4 |
| 115 | 40.2  | 32.2  | 48.2  |





#81  
 1,2,4-Trichlorobenzene  
 Concen: 11.665 ppbv  
 RT: 21.133 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VL041399.D  
 Acq: 25 Jul 2024 13:59

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010



Tgt Ion:180 Resp: 1912951  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 76.7  | 115.1 |
| 184 | 30.6  | 24.5  | 36.7  |

