

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111822\  
 Data File : VL039899.D  
 Acq On : 18 Nov 2022 10:40  
 Operator : SY/AP  
 Sample : VSTDIC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Quant Time: Nov 19 04:51:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111822AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 18 14:05:14 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.176  | 49   | 1246207  | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.639  | 114  | 3828387  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.465 | 117  | 3506226  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.780 | 95    | 2675324  | 9.990    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 99.900% |

|                               |       |     |        |       |        |        |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| Target Compounds              |       |     |        |       |        | Qvalue |
| 2) Dichlorodifluoromethane    | 2.709 | 85  | 132483 | 0.742 | ppbv   | 98     |
| 3) Chlorodifluoromethane      | 2.655 | 51  | 88993  | 0.517 | ppbv   | 99     |
| 4) Chloromethane              | 2.796 | 50  | 55795  | 0.508 | ppbv # | 85     |
| 5) Vinyl Chloride             | 2.902 | 62  | 42053  | 0.490 | ppbv # | 71     |
| 6) Bromomethane               | 3.102 | 94  | 13065  | 0.446 | ppbv   | 96     |
| 7) Chloroethane               | 3.179 | 64  | 18112  | 0.534 | ppbv   | 92     |
| 8) Dichlorotetrafluoroethane  | 2.838 | 85  | 107059 | 0.525 | ppbv   | 99     |
| 9) Propene                    | 2.674 | 41  | 44435  | 0.549 | ppbv   | 95     |
| 10) Heptane                   | 7.571 | 43  | 92988  | 0.476 | ppbv   | 92     |
| 11) Trichlorofluoromethane    | 3.545 | 101 | 108909 | 0.500 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.047 | 101 | 81205  | 0.493 | ppbv   | 99     |
| 13) Ethanol                   | 3.221 | 45  | 513    | 0.083 | ppbv # | 38     |
| 14) Bromoethene               | 3.346 | 108 | 30334  | 0.472 | ppbv # | 88     |
| 15) Acetone                   | 3.465 | 43  | 80160  | 0.485 | ppbv # | 87     |
| 16) 1,3-Butadiene             | 2.967 | 39  | 36581  | 0.444 | ppbv   | 89     |
| 17) tert-Butyl alcohol        | 3.883 | 59  | 93891  | 0.494 | ppbv   | 95     |
| 18) 1,1-Dichloroethene        | 3.861 | 96  | 37296  | 0.496 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 3.584 | 45  | 45570  | 0.509 | ppbv # | 32     |
| 20) Methylene Chloride        | 3.912 | 84  | 21471  | 0.268 | ppbv   | 98     |
| 21) Allyl Chloride            | 3.976 | 41  | 51702  | 0.451 | ppbv   | 94     |
| 22) trans-1,2-Dichloroethene  | 4.430 | 96  | 38085  | 0.498 | ppbv   | 92     |
| 23) Vinyl Acetate             | 4.603 | 43  | 6246   | 0.092 | ppbv # | 61     |
| 24) 1,1-Dichloroethane        | 4.545 | 63  | 82090  | 0.501 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.198 | 43  | 148642 | 0.490 | ppbv   | 96     |
| 26) Hexane                    | 5.198 | 57  | 64690  | 0.488 | ppbv   | 95     |
| 27) Carbon Disulfide          | 4.108 | 76  | 65346  | 0.390 | ppbv # | 58     |
| 28) Methyl tert-Butyl Ether   | 4.587 | 73  | 80751  | 0.486 | ppbv   | 98     |
| 29) Chloroform                | 5.259 | 83  | 102419 | 0.581 | ppbv   | 93     |
| 30) Cyclohexane               | 6.587 | 84  | 41447  | 0.319 | ppbv # | 36     |
| 31) cis-1,2-Dichloroethene    | 5.063 | 61  | 58263  | 0.476 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 5.989 | 97  | 105044 | 0.477 | ppbv   | 95     |
| 34) 2-Butanone                | 4.790 | 43  | 84684  | 0.462 | ppbv   | 94     |
| 35) Carbon Tetrachloride      | 6.481 | 117 | 100534 | 0.462 | ppbv   | 91     |
| 36) Benzene                   | 6.352 | 78  | 78857  | 0.242 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.790 | 62  | 85523  | 0.480 | ppbv   | 99     |
| 38) Trichloroethene           | 7.278 | 130 | 87245  | 0.480 | ppbv   | 93     |
| 39) 1,2-Dichloropropane       | 7.060 | 63  | 62707  | 0.495 | ppbv # | 84     |
| 40) 1,4-Dioxane               | 7.282 | 88  | 351    | 0.007 | ppbv # | 1      |
| 41) Tetrahydrofuran           | 5.574 | 42  | 59074  | 0.467 | ppbv   | 98     |
| 42) Bromodichloromethane      | 7.240 | 83  | 102973 | 0.426 | ppbv # | 88     |
| 43) Methyl Methacrylate       | 7.468 | 69  | 28923  | 0.227 | ppbv # | 1      |
| 44) 2,2,4-Trimethylpentane    | 7.314 | 57  | 273881 | 0.504 | ppbv   | 98     |
| 45) t-1,3-Dichloropropene     | 8.703 | 75  | 24477  | 0.208 | ppbv   | 97     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL111822\  
 Data File : VL039899.D  
 Acq On : 18 Nov 2022 10:40  
 Operator : SY/AP  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

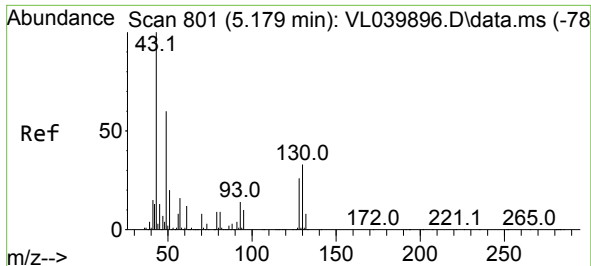
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Nov 19 04:51:17 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL111822AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Fri Nov 18 14:05:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.134  | 75   | 70145    | 0.430 | ppbv   | 91       |
| 47) 1,1,2-Trichloroethane     | 8.899  | 97   | 22444    | 0.172 | ppbv   | 91       |
| 48) Dibromochloromethane      | 9.703  | 129  | 69332    | 0.363 | ppbv   | 95       |
| 49) Bromoform                 | 12.404 | 173  | 49640    | 0.321 | ppbv   | 93       |
| 50) 4-Methyl-2-Pentanone      | 8.195  | 43   | 150029   | 0.457 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.568  | 43   | 53463    | 0.210 | ppbv # | 27       |
| 52) Tetrachloroethene         | 10.619 | 164  | 14603    | 0.120 | ppbv   | 87       |
| 53) Toluene                   | 9.211  | 91   | 176647   | 0.477 | ppbv   | 97       |
| 54) 1,2-Dibromoethane         | 10.002 | 107  | 62721    | 0.451 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 11.507 | 131  | 41011    | 0.286 | ppbv # | 31       |
| 57) Chlorobenzene             | 11.516 | 112  | 133737   | 0.499 | ppbv # | 84       |
| 58) Ethyl Benzene             | 12.089 | 91   | 241695   | 0.508 | ppbv   | 99       |
| 59) m/p-Xylene                | 12.368 | 91   | 203833   | 0.512 | ppbv # | 35       |
| 60) o-Xylene                  | 13.063 | 91   | 188295   | 0.496 | ppbv   | 97       |
| 61) Styrene                   | 12.899 | 104  | 103997   | 0.459 | ppbv   | 96       |
| 62) Isopropylbenzene          | 14.031 | 105  | 159147   | 0.291 | ppbv # | 67       |
| 63) 1,1,2,2-Tetrachloroethane | 13.053 | 83   | 60367    | 0.476 | ppbv   | 100      |
| 64) n-propylbenzene           | 14.924 | 120  | 43540    | 0.304 | ppbv # | 1        |
| 65) tert-Butylbenzene         | 16.098 | 119  | 242668   | 0.507 | ppbv   | 97       |
| 66) Benzyl Chloride           | 16.339 | 91   | 3687     | 0.090 | ppbv # | 62       |
| 67) sec-Butylbenzene          | 16.641 | 105  | 334517   | 0.508 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.998 | 119  | 115026   | 0.212 | ppbv # | 39       |
| 70) n-Butylbenzene            | 17.899 | 91   | 152919   | 0.284 | ppbv # | 55       |
| 71) 2-Chlorotoluene           | 15.188 | 91   | 8540     | 0.021 | ppbv   | 82       |
| 72) 4-Ethyltoluene            | 15.198 | 105  | 199830   | 0.468 | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 15.355 | 105  | 119126   | 0.305 | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 16.108 | 105  | 203687   | 0.492 | ppbv # | 82       |
| 75) 1,3-Dichlorobenzene       | 16.339 | 146  | 107528   | 0.462 | ppbv   | 94       |
| 76) 1,4-Dichlorobenzene       | 16.484 | 146  | 55967    | 0.243 | ppbv # | 22       |
| 77) 1,2-Dichlorobenzene       | 17.149 | 146  | 80615    | 0.359 | ppbv   | 66       |
| 78) Hexachloro-1,3-Butadiene  | 22.657 | 225  | 24205    | 0.155 | ppbv # | 19       |
| 79) Naphthalene               | 21.390 | 128  | 21456    | 0.087 | ppbv # | 95       |
| 80) Naphthalene,2-methyl-     | 24.406 | 142  | 15928    | 0.229 | ppbv # | 71       |
| 81) 1,2,4-Trichlorobenzene    | 21.165 | 180  | 47339    | 0.310 | ppbv # | 57       |

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



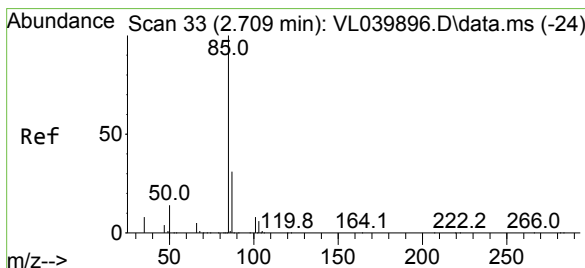
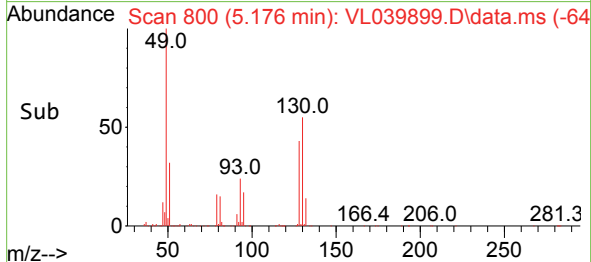
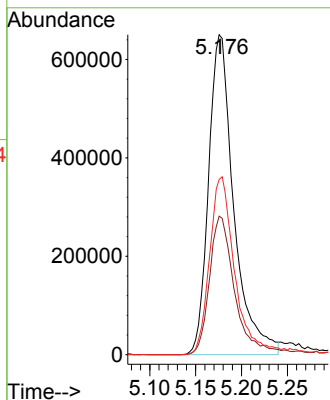
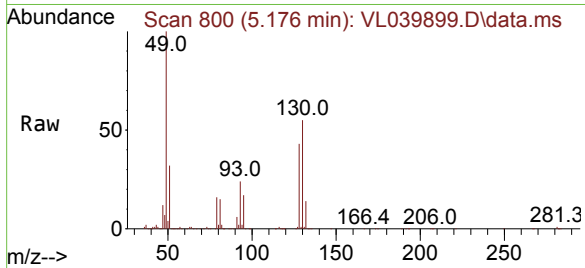


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.176 min Scan# 80  
 Delta R.T. -0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 49 Resp: 1246207

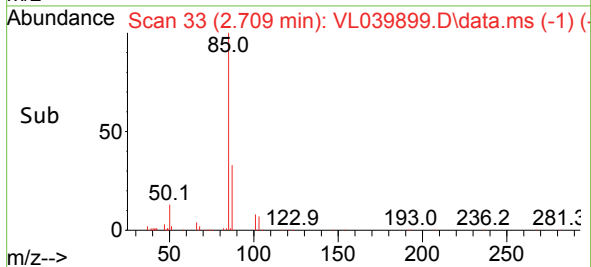
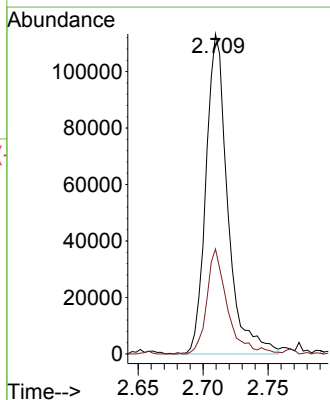
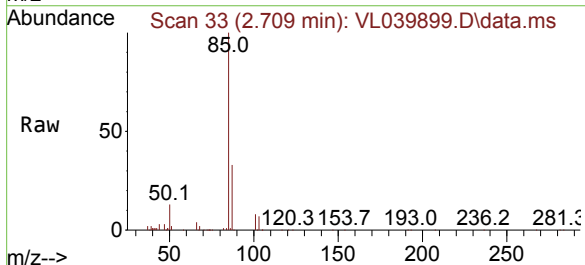
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 128 | 44.9  | 22.1  | 66.3  |
| 130 | 57.0  | 27.7  | 83.1  |

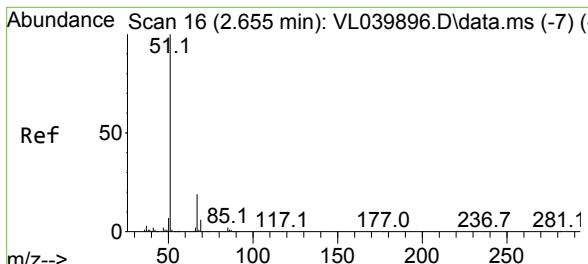


#2  
 Dichlorodifluoromethane  
 Concen: 0.742 ppbv  
 RT: 2.709 min Scan# 33  
 Delta R.T. 0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 85 Resp: 132483

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 85  | 100   |       |       |
| 87  | 32.3  | 25.0  | 37.4  |

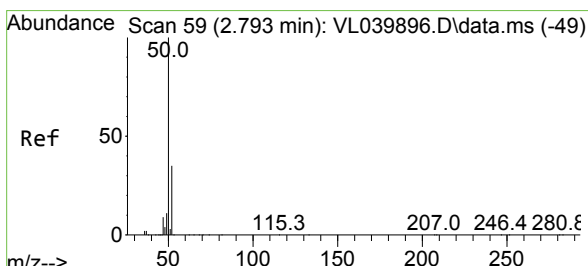
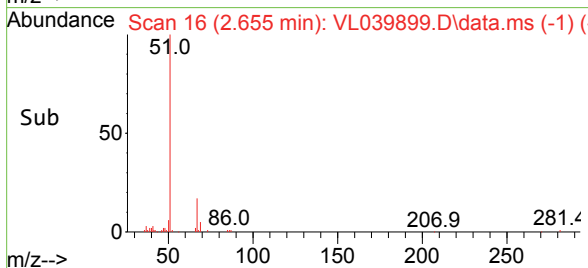
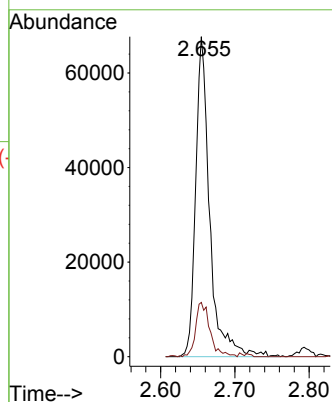
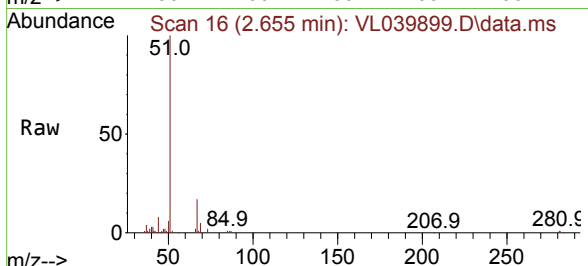




#3  
 Chlorodifluoromethane  
 Concen: 0.517 ppbv  
 RT: 2.655 min Scan# 10  
 Delta R.T. -0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

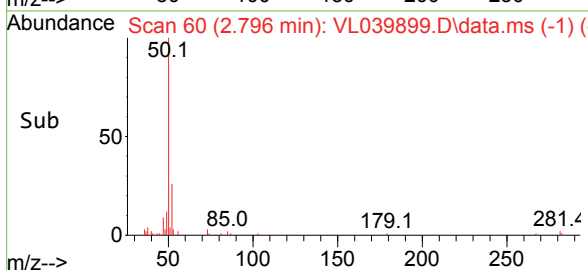
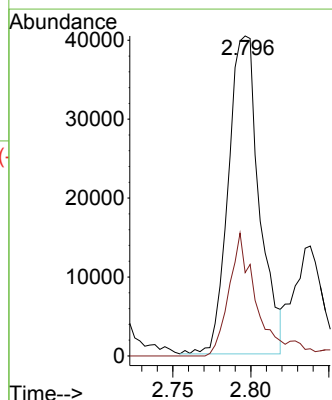
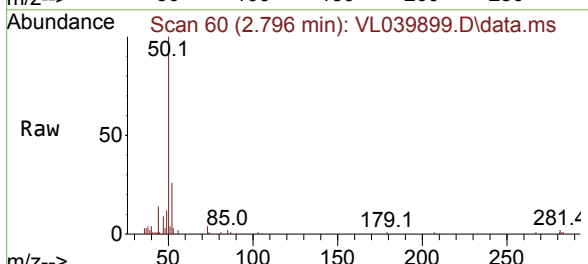
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

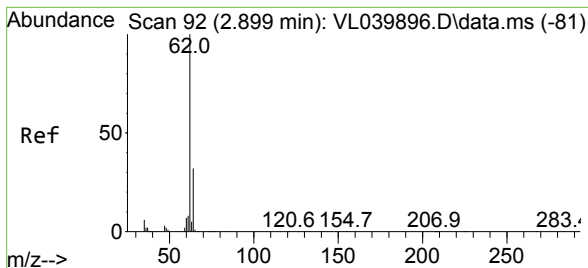
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 51    | Resp: | 88993 |
| Ion Ratio | Lower | Upper |       |
| 51        | 100   |       |       |
| 67        | 17.4  | 14.2  | 21.4  |



#4  
 Chloromethane  
 Concen: 0.508 ppbv  
 RT: 2.796 min Scan# 60  
 Delta R.T. 0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 50    | Resp: | 55795 |
| Ion Ratio | Lower | Upper |       |
| 50        | 100   |       |       |
| 52        | 26.4  | 27.8  | 41.8# |

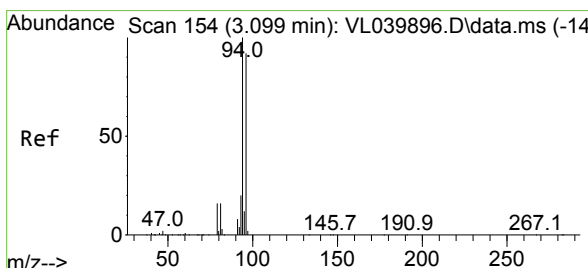
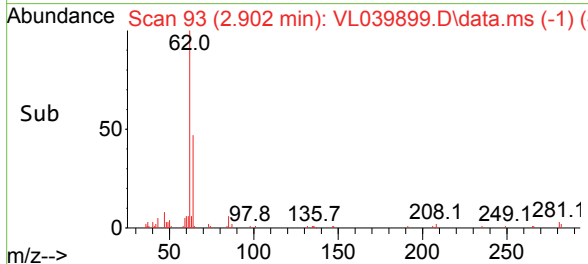
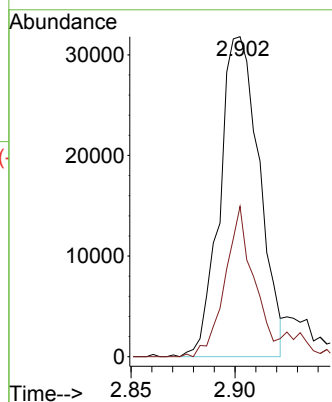
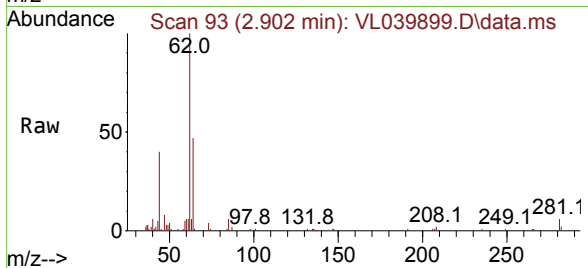




#5  
 Vinyl Chloride  
 Concen: 0.490 ppbv  
 RT: 2.902 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

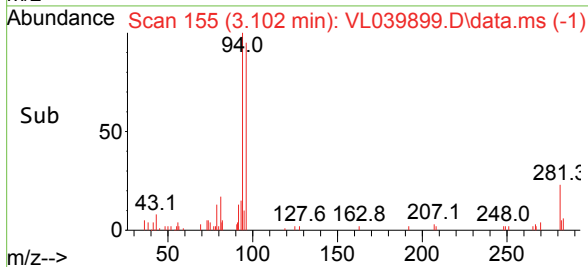
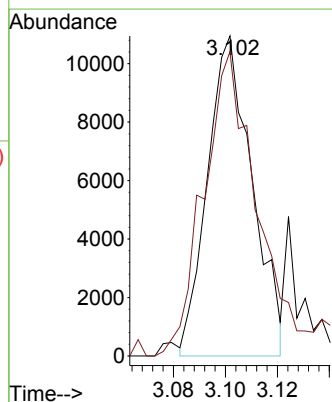
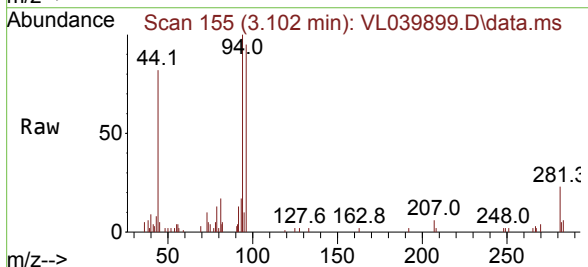
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

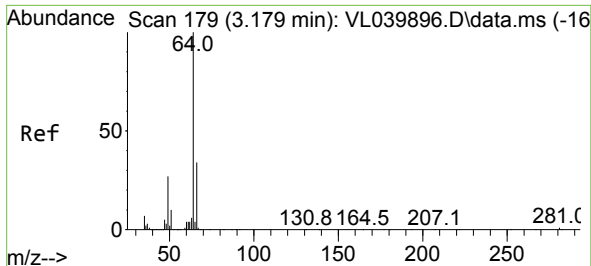
Tgt Ion: 62 Resp: 42053  
 Ion Ratio Lower Upper  
 62 100  
 64 48.3 25.7 38.5#



#6  
 Bromomethane  
 Concen: 0.446 ppbv  
 RT: 3.102 min Scan# 155  
 Delta R.T. 0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 94 Resp: 13065  
 Ion Ratio Lower Upper  
 94 100  
 96 88.1 73.7 110.5

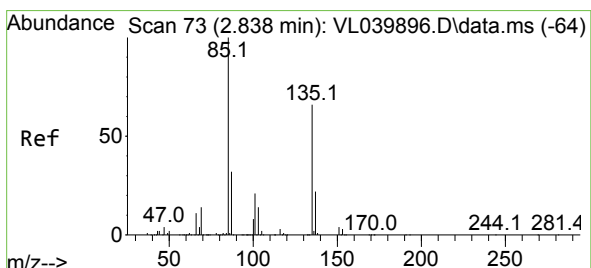
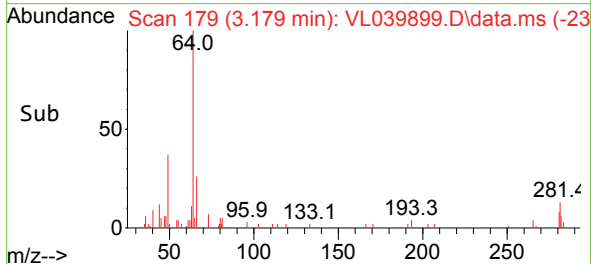
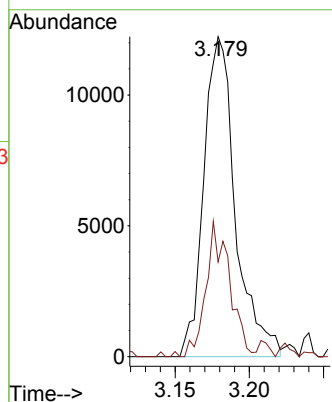
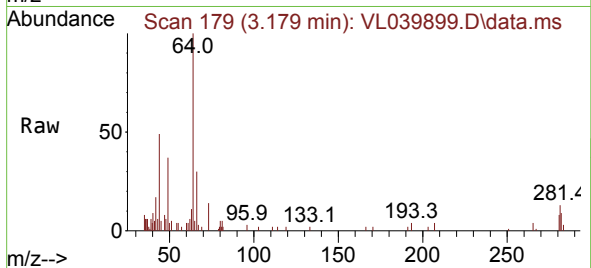




#7  
Chloroethane  
Concen: 0.534 ppbv  
RT: 3.179 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

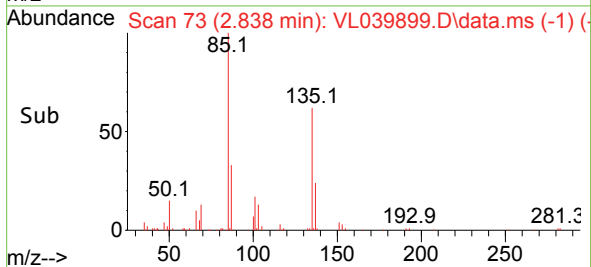
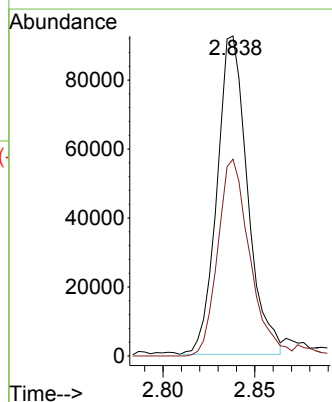
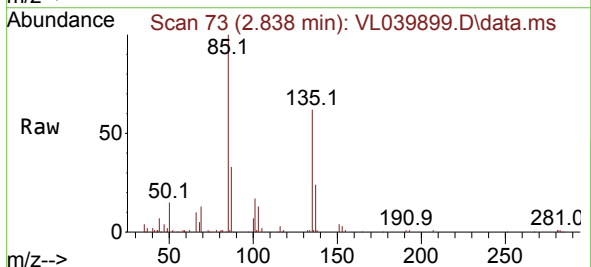
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

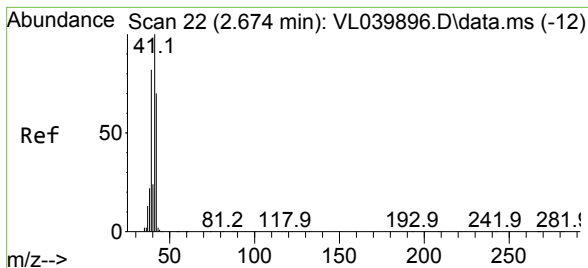
Tgt Ion: 64 Resp: 18112  
Ion Ratio Lower Upper  
64 100  
66 29.6 27.3 40.9



#8  
Dichlorotetrafluoroethane  
Concen: 0.525 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 85 Resp: 107059  
Ion Ratio Lower Upper  
85 100  
135 68.5 54.1 81.1





#9

Propene

Concen: 0.549 ppbv

RT: 2.674 min Scan# 21

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

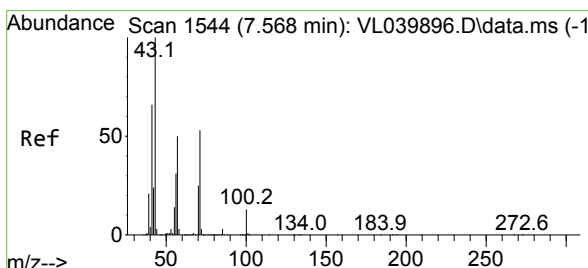
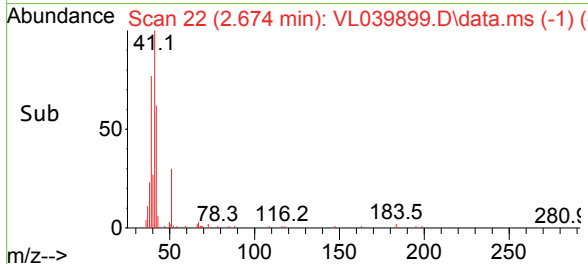
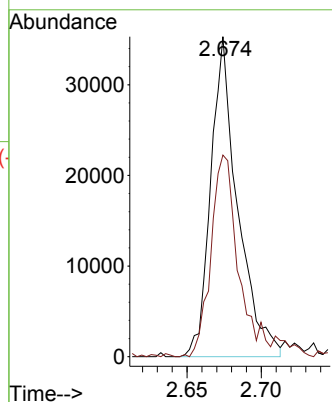
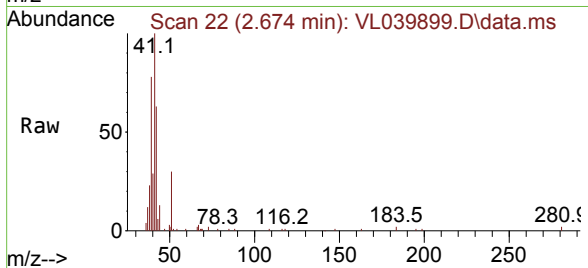
VSTDICC0.5

Tgt Ion: 41 Resp: 44435

Ion Ratio Lower Upper

41 100

42 65.6 55.8 83.6



#10

Heptane

Concen: 0.476 ppbv

RT: 7.571 min Scan# 1545

Delta R.T. 0.003 min

Lab File: VL039899.D

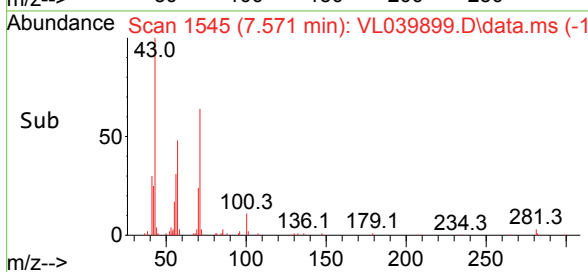
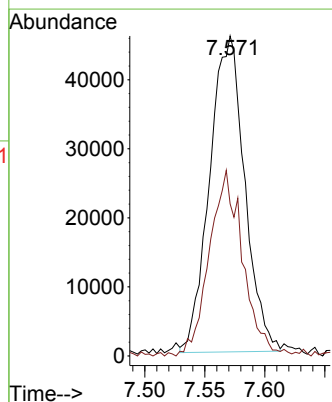
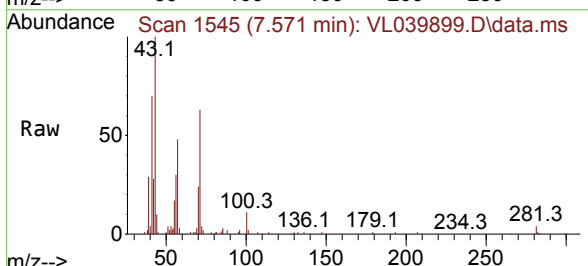
Acq: 18 Nov 2022 10:40

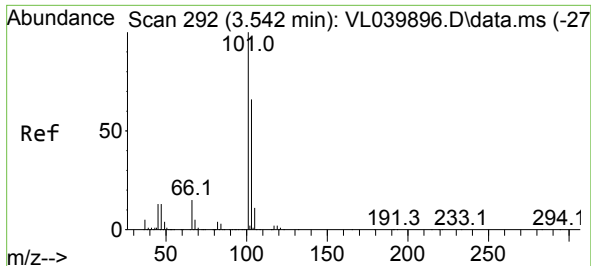
Tgt Ion: 43 Resp: 92988

Ion Ratio Lower Upper

43 100

57 56.2 40.7 61.1

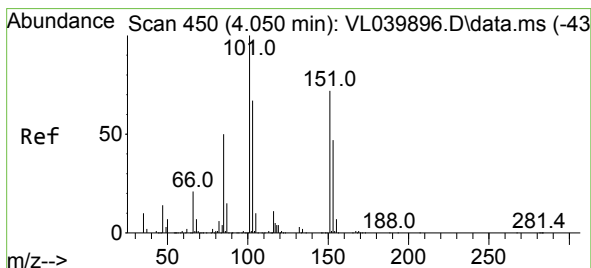
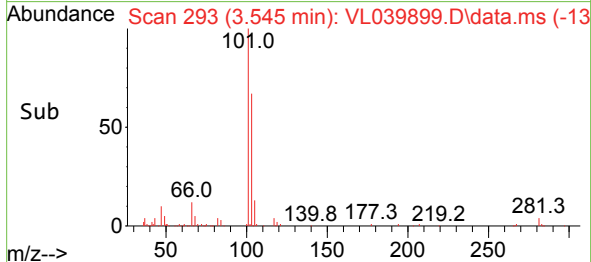
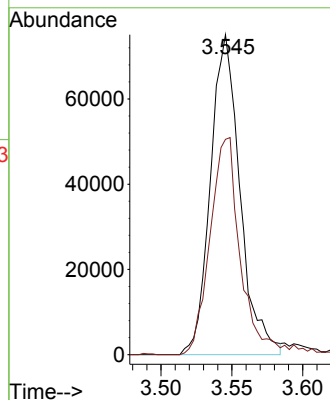
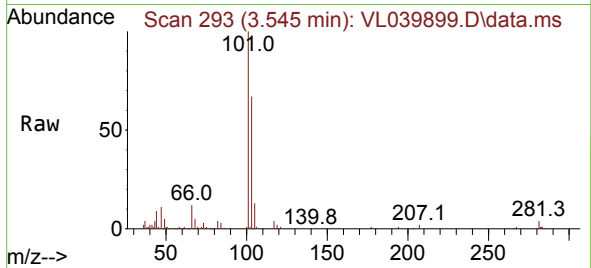




#11  
 Trichlorofluoromethane  
 Concen: 0.500 ppbv  
 RT: 3.545 min Scan# 292  
 Delta R.T. 0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

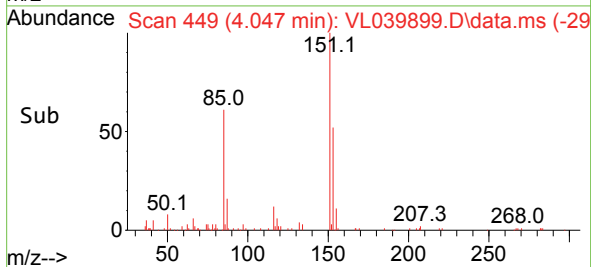
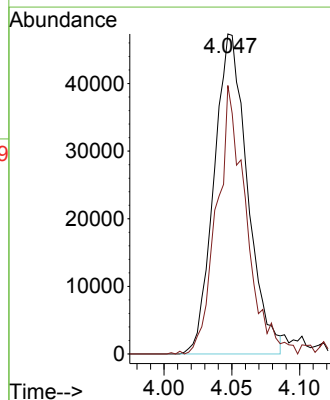
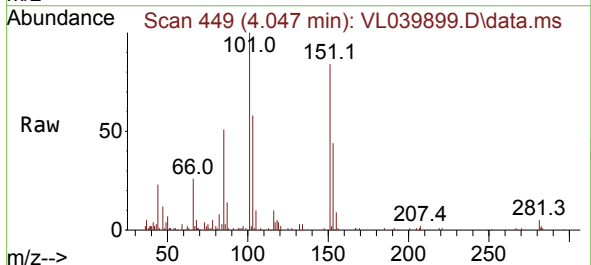
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

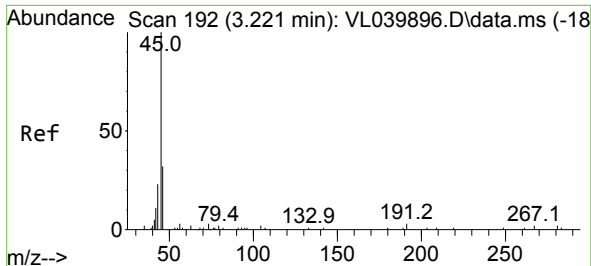
Tgt Ion:101 Resp: 108909  
 Ion Ratio Lower Upper  
 101 100  
 103 67.3 52.6 78.8



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 0.493 ppbv  
 RT: 4.047 min Scan# 449  
 Delta R.T. -0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion:101 Resp: 81205  
 Ion Ratio Lower Upper  
 101 100  
 151 73.4 59.6 89.4

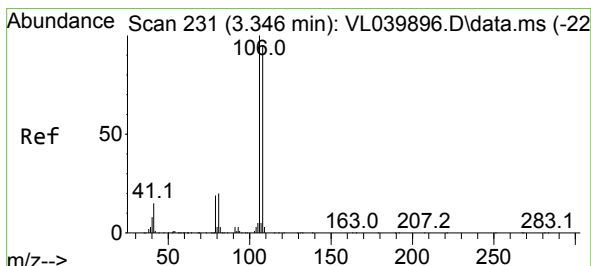
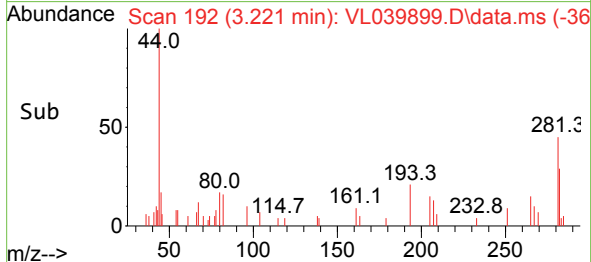
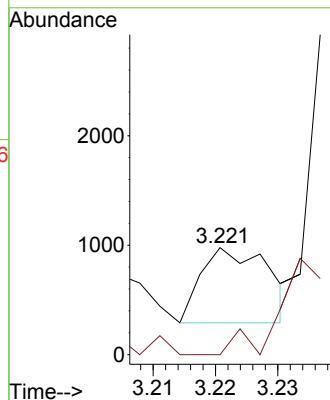
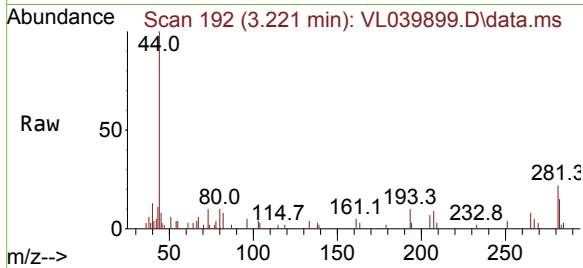




#13  
Ethanol  
Concen: 0.083 ppbv  
RT: 3.221 min Scan# 192  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

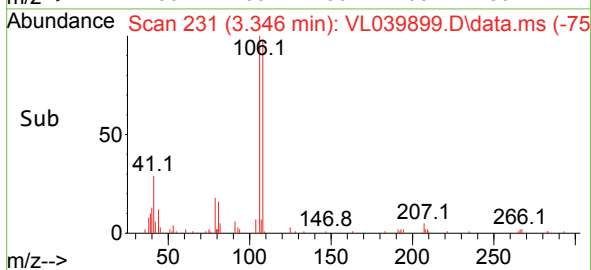
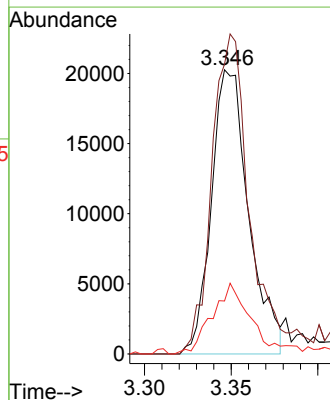
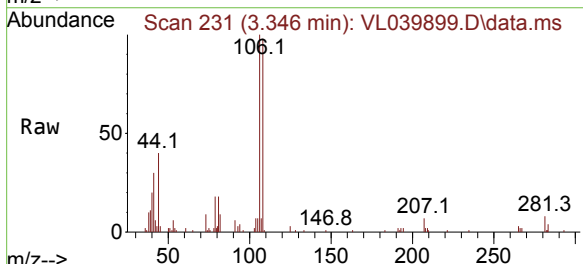
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

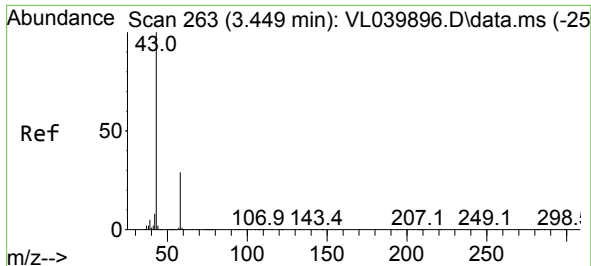
Tgt Ion: 45 Resp: 513  
Ion Ratio Lower Upper  
45 100  
46 0.0 14.6 58.2#



#14  
Bromoethene  
Concen: 0.472 ppbv  
RT: 3.346 min Scan# 231  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 108 Resp: 30334  
Ion Ratio Lower Upper  
108 100  
106 119.8 87.3 130.9  
79 29.8 15.9 23.9#





#15

Acetone

Concen: 0.485 ppbv

RT: 3.465 min Scan# 2

Delta R.T. 0.016 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

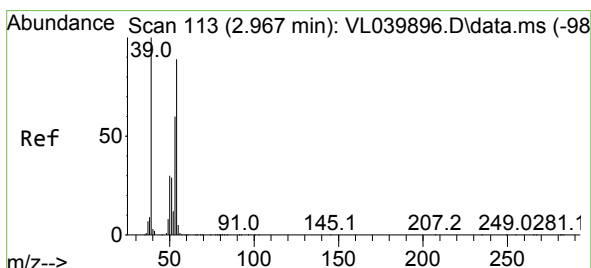
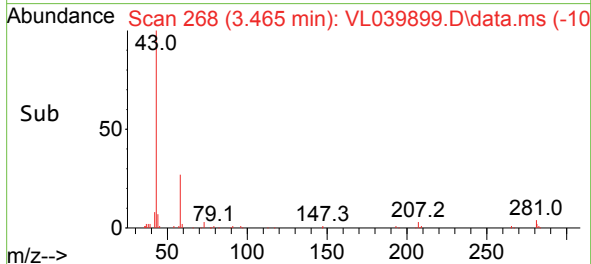
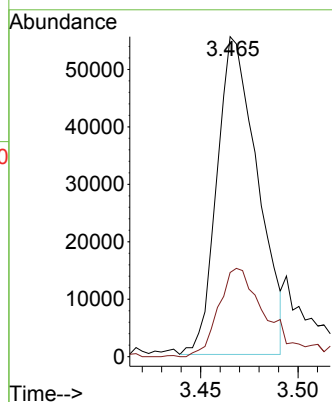
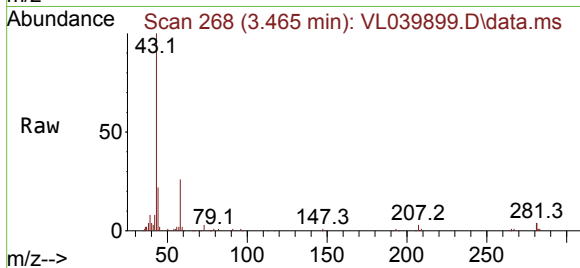
VSTDIC0.5

Tgt Ion: 43 Resp: 80160

Ion Ratio Lower Upper

43 100

58 35.5 22.9 34.3#



#16

1,3-Butadiene

Concen: 0.444 ppbv

RT: 2.967 min Scan# 113

Delta R.T. 0.000 min

Lab File: VL039899.D

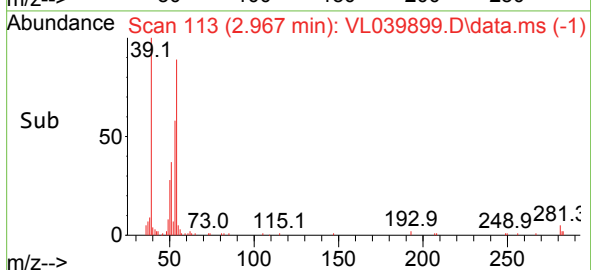
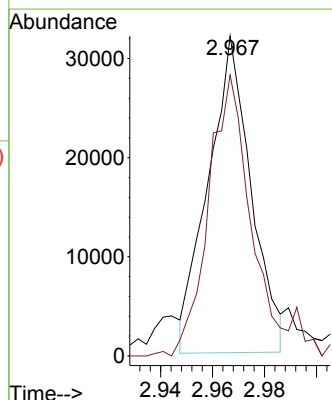
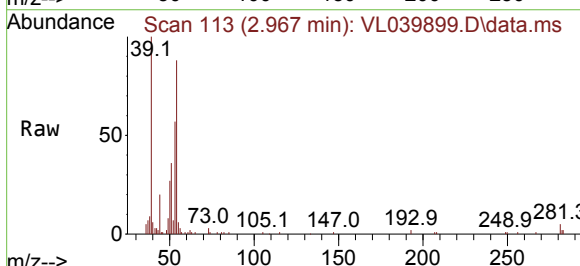
Acq: 18 Nov 2022 10:40

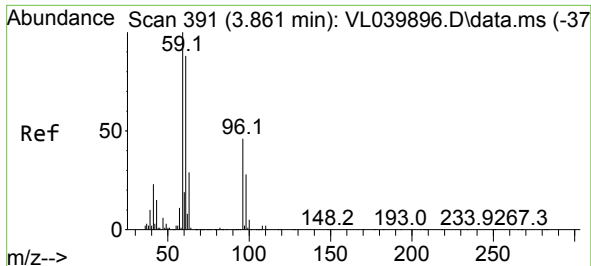
Tgt Ion: 39 Resp: 36581

Ion Ratio Lower Upper

39 100

54 93.1 66.6 99.8





#17

tert-Butyl alcohol

Concen: 0.494 ppbv

RT: 3.883 min Scan# 391

Delta R.T. 0.022 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

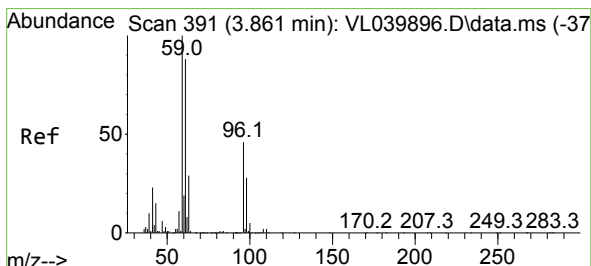
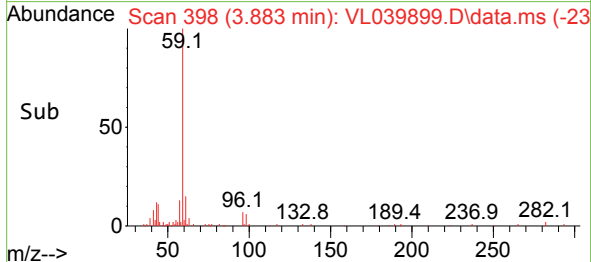
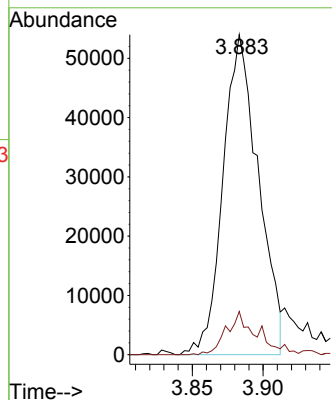
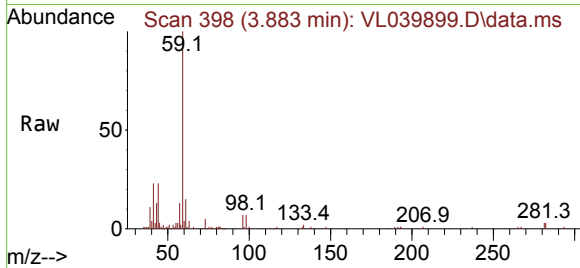
VSTDIC0.5

Tgt Ion: 59 Resp: 93891

Ion Ratio Lower Upper

59 100

57 12.4 8.3 12.5



#18

1,1-Dichloroethene

Concen: 0.496 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

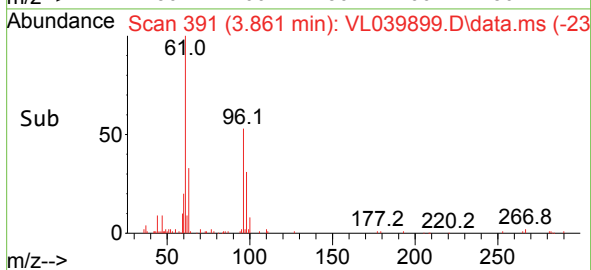
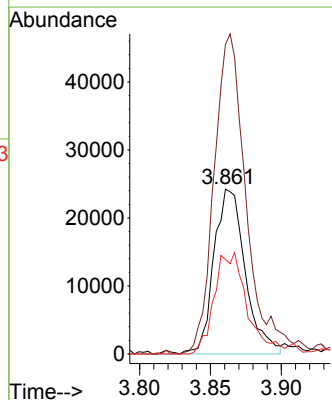
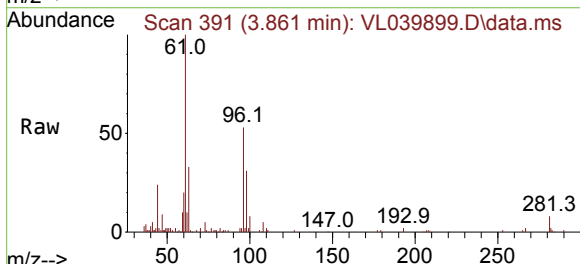
Tgt Ion: 96 Resp: 37296

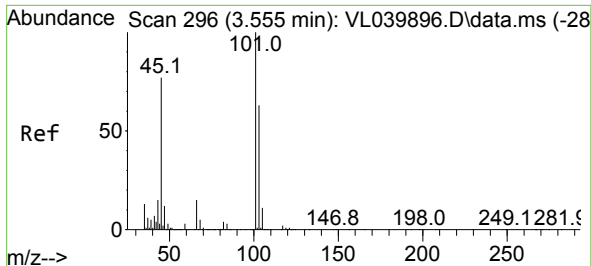
Ion Ratio Lower Upper

96 100

61 187.9 153.4 230.2

98 57.4 48.9 73.3

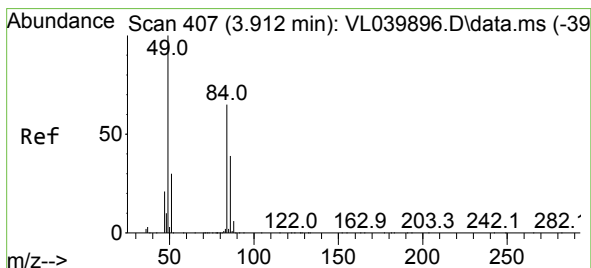
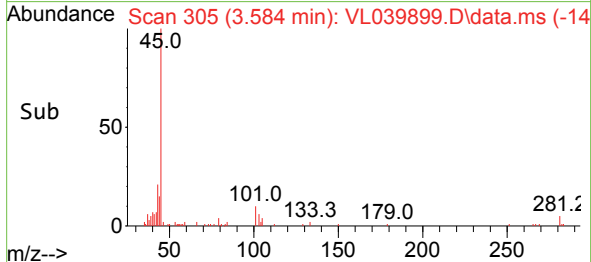
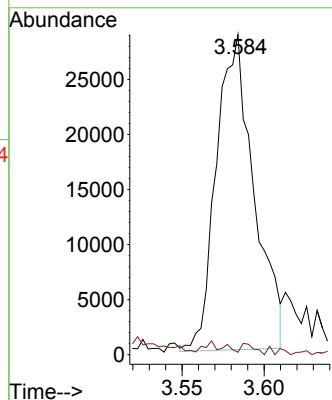
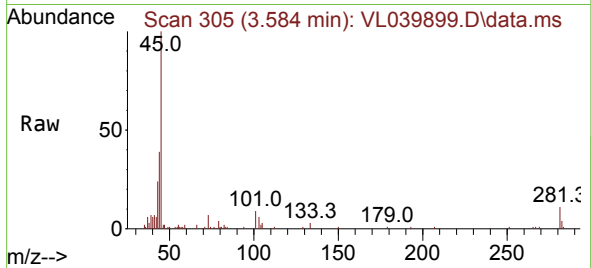




#19  
Isopropyl Alcohol  
Concen: 0.509 ppbv  
RT: 3.584 min Scan# 305  
Delta R.T. 0.029 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

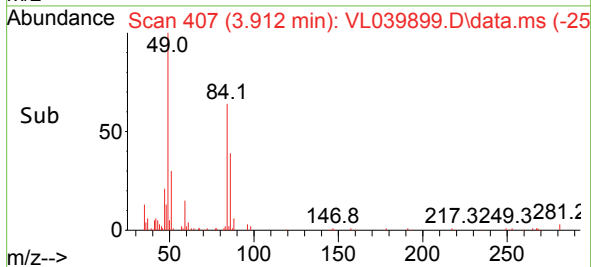
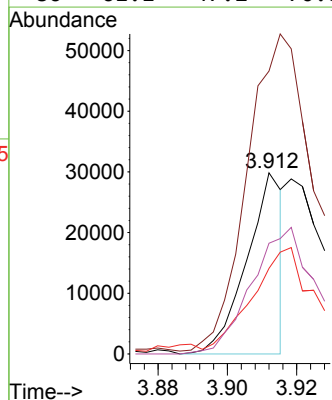
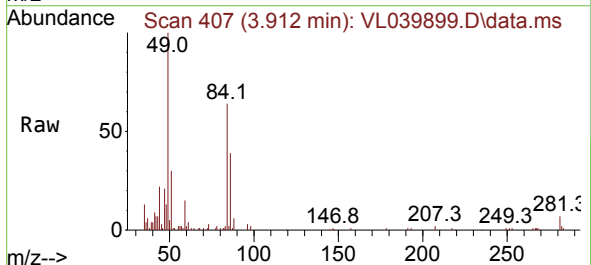
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

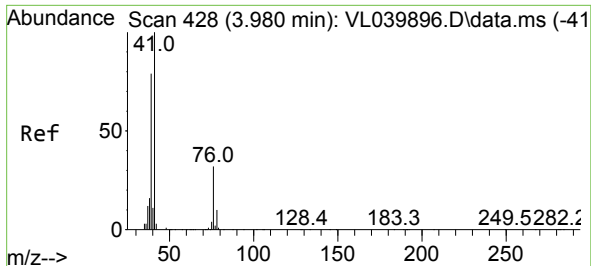
Tgt Ion: 45 Resp: 45570  
Ion Ratio Lower Upper  
45 100  
58 2.3 38.7 58.1#



#20  
Methylene Chloride  
Concen: 0.268 ppbv  
RT: 3.912 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 84 Resp: 21471  
Ion Ratio Lower Upper  
84 100  
49 152.4 122.2 183.4  
51 41.2 36.3 54.5  
86 61.1 47.2 70.8

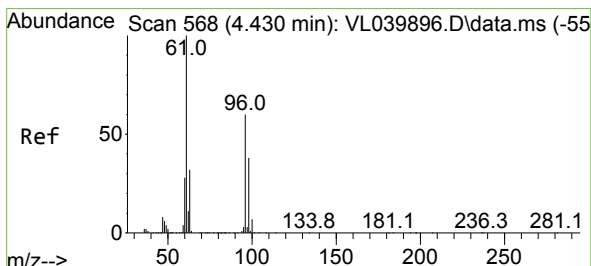
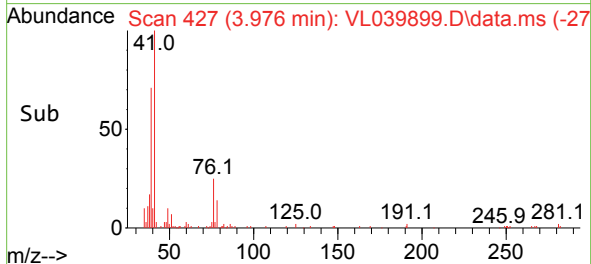
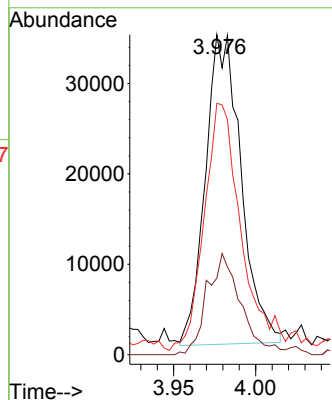
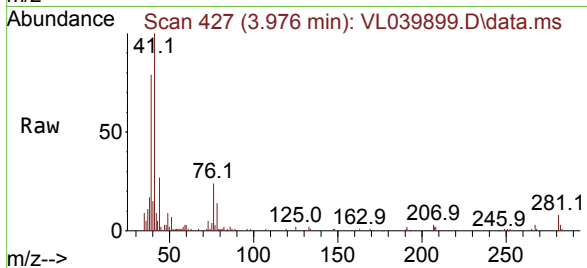




#21  
 Allyl Chloride  
 Concen: 0.451 ppbv  
 RT: 3.976 min Scan# 41  
 Delta R.T. -0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

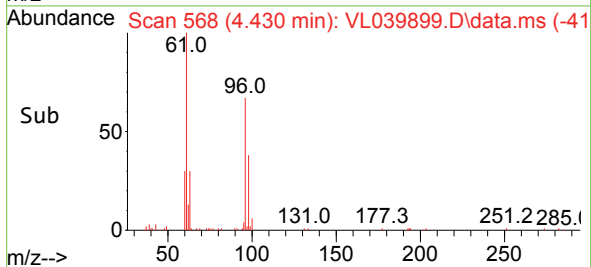
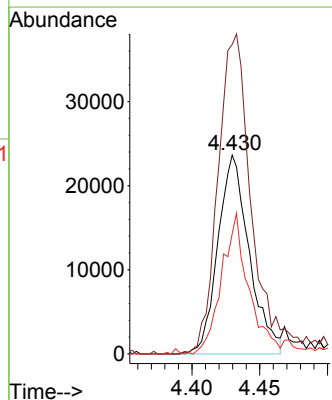
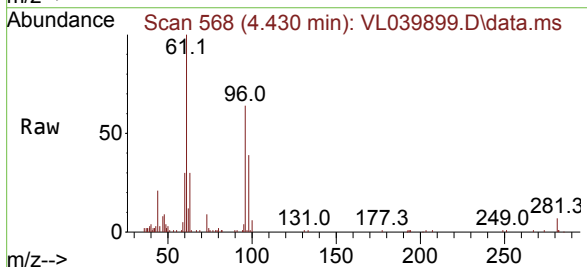
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

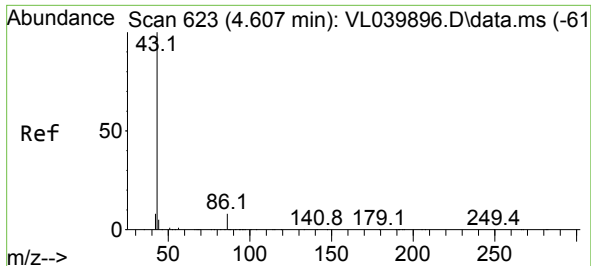
Tgt Ion: 41 Resp: 51702  
 Ion Ratio Lower Upper  
 41 100  
 76 32.0 25.6 38.4  
 39 89.2 65.2 97.8



#22  
 trans-1,2-Dichloroethene  
 Concen: 0.498 ppbv  
 RT: 4.430 min Scan# 568  
 Delta R.T. -0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 96 Resp: 38085  
 Ion Ratio Lower Upper  
 96 100  
 61 155.6 134.1 201.1  
 98 59.8 50.4 75.6



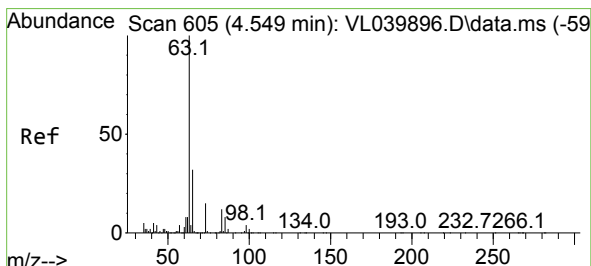
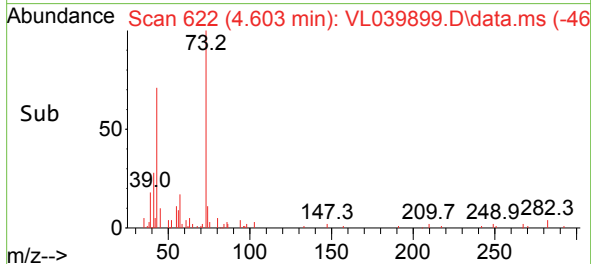
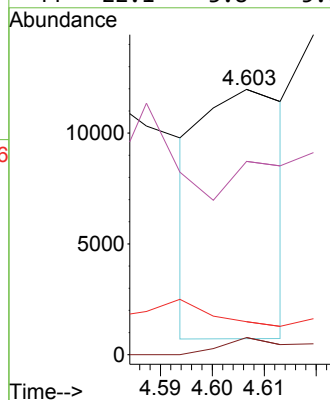
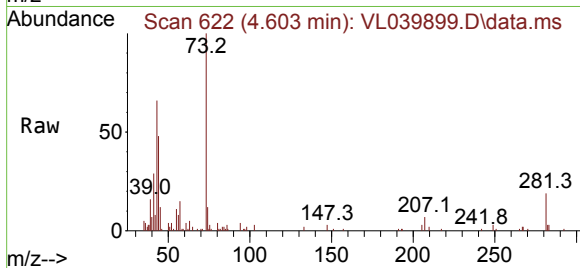


#23  
 Vinyl Acetate  
 Concen: 0.092 ppbv  
 RT: 4.603 min Scan# 61  
 Delta R.T. -0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion: 43 Resp: 6246

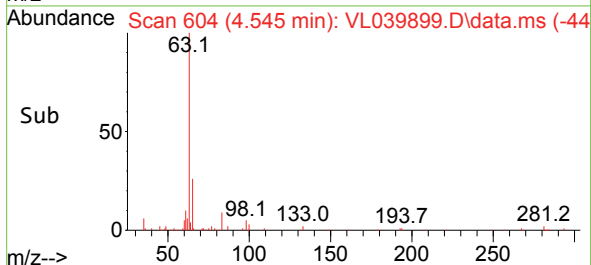
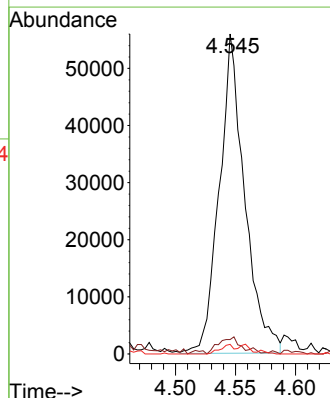
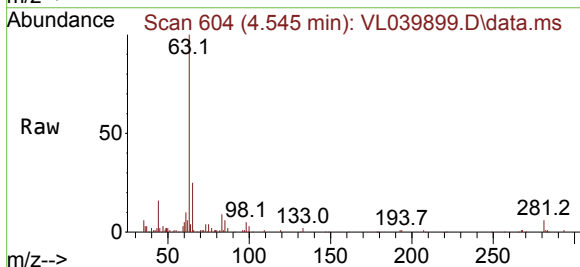
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 35.4  | 5.0   | 7.4#  |
| 42  | 9.8   | 7.6   | 11.4  |
| 44  | 22.1  | 3.8   | 5.6#  |

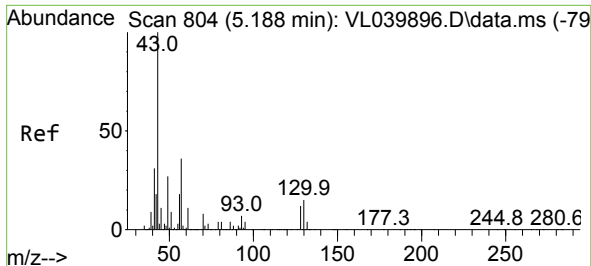


#24  
 1,1-Dichloroethane  
 Concen: 0.501 ppbv  
 RT: 4.545 min Scan# 604  
 Delta R.T. -0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 63 Resp: 82090

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 4.5   | 2.1   | 6.5   |
| 100 | 3.0   | 1.1   | 3.5   |



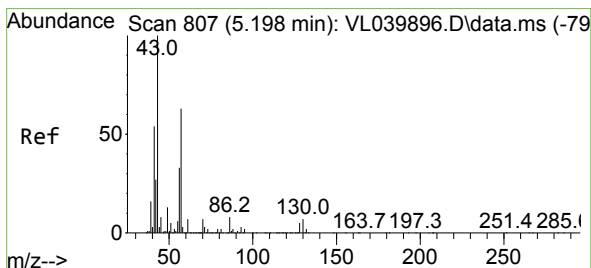
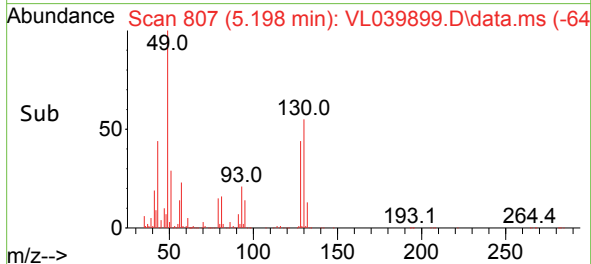
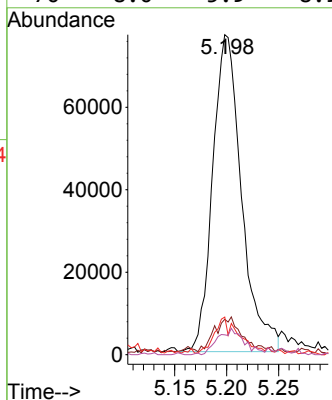
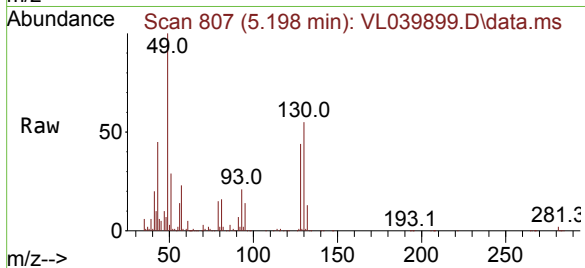


#25  
Ethyl Acetate  
Concen: 0.490 ppbv  
RT: 5.198 min Scan# 807  
Delta R.T. 0.010 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

Tgt Ion: 43 Resp: 148642

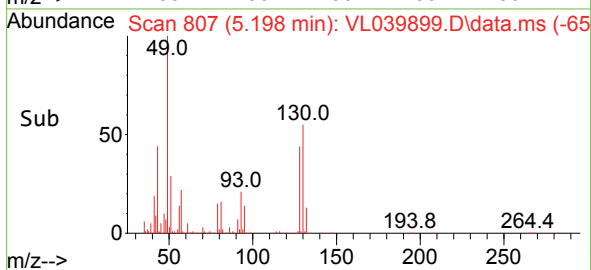
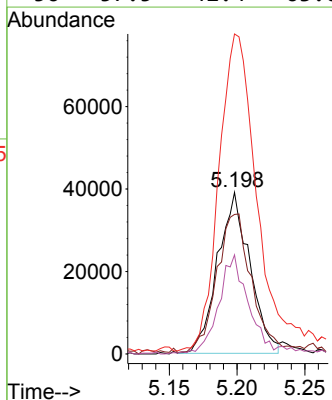
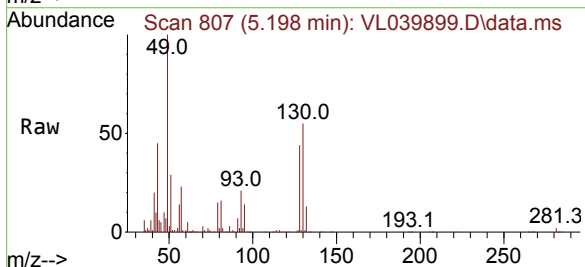
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 12.4  | 8.4   | 12.6  |
| 61  | 12.1  | 8.5   | 12.7  |
| 70  | 8.0   | 5.9   | 8.9   |

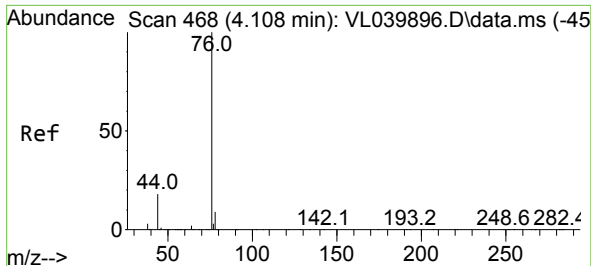


#26  
Hexane  
Concen: 0.488 ppbv  
RT: 5.198 min Scan# 807  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 57 Resp: 64690

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 99.8  | 72.3  | 108.5 |
| 43  | 241.3 | 188.7 | 283.1 |
| 56  | 57.5  | 42.4  | 63.6  |

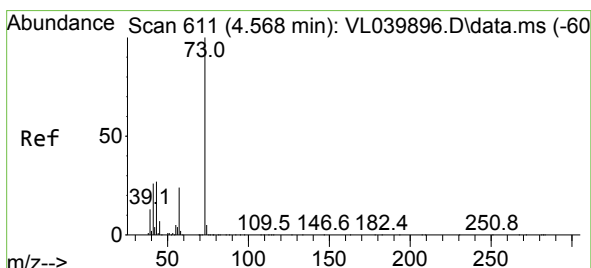
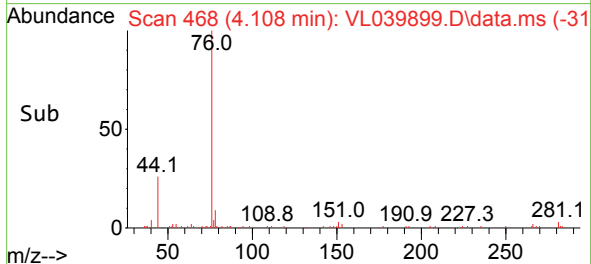
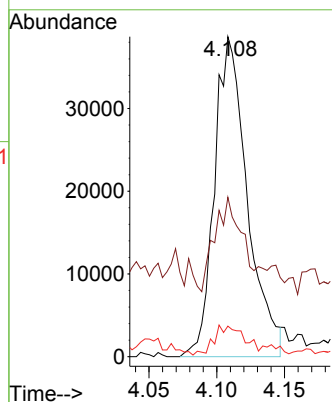
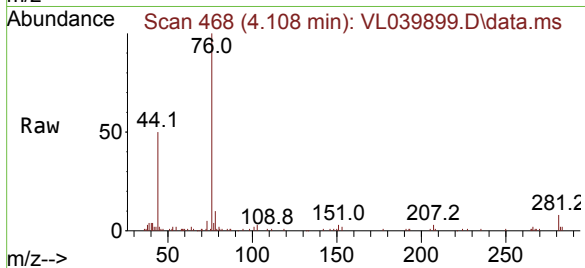




#27  
Carbon Disulfide  
Concen: 0.390 ppbv  
RT: 4.108 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

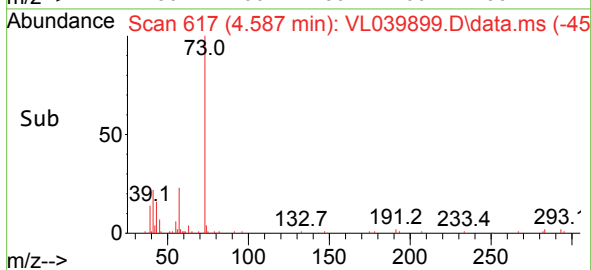
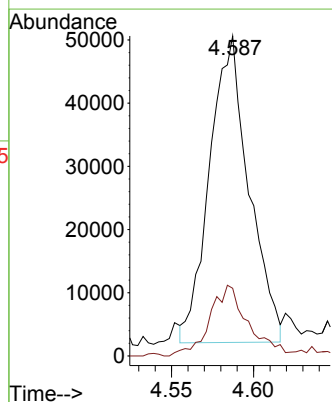
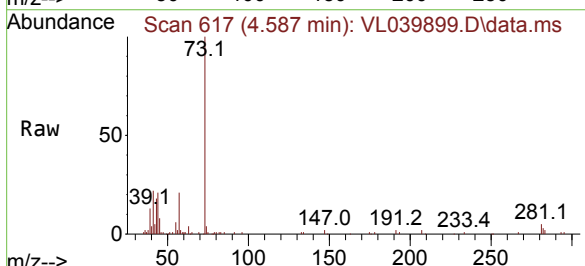
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC0.5

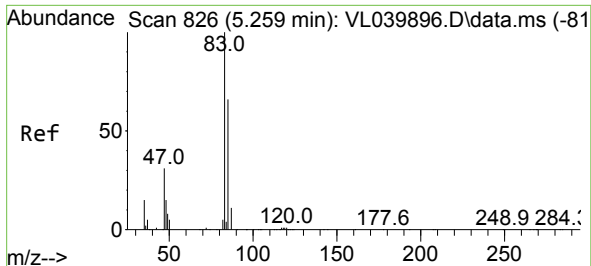
Tgt Ion: 76 Resp: 65346  
Ion Ratio Lower Upper  
76 100  
44 45.7 14.7 22.1#  
78 12.4 7.8 11.8#



#28  
Methyl tert-Butyl Ether  
Concen: 0.486 ppbv  
RT: 4.587 min Scan# 617  
Delta R.T. 0.019 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 73 Resp: 80751  
Ion Ratio Lower Upper  
73 100  
57 24.7 18.9 28.3





#29

Chloroform

Concen: 0.581 ppbv

RT: 5.259 min Scan# 81

Delta R.T. -0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

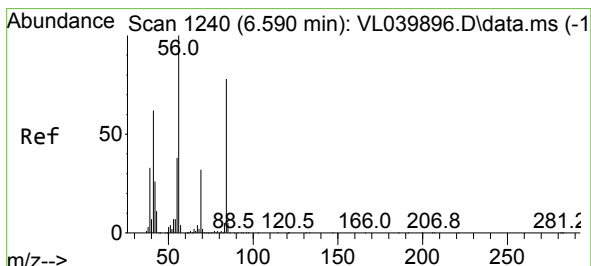
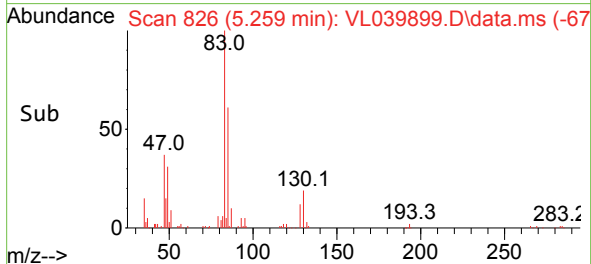
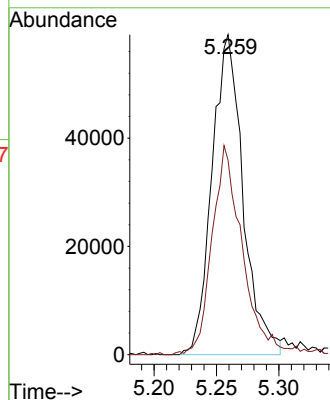
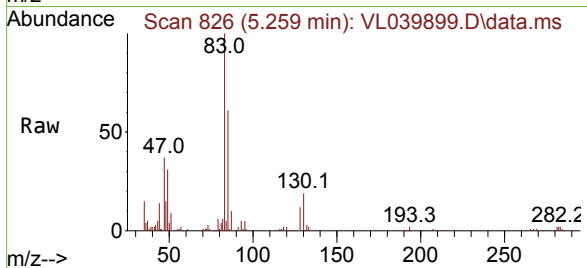
VSTDIC0.5

Tgt Ion: 83 Resp: 102419

Ion Ratio Lower Upper

83 100

85 59.9 52.4 78.6



#30

Cyclohexane

Concen: 0.319 ppbv

RT: 6.587 min Scan# 1239

Delta R.T. -0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

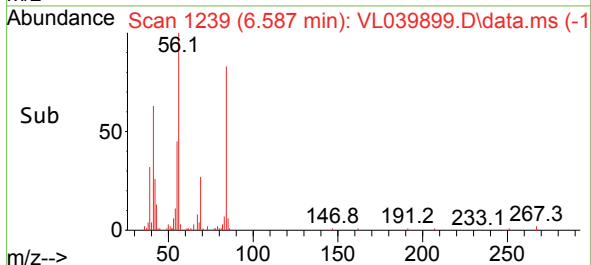
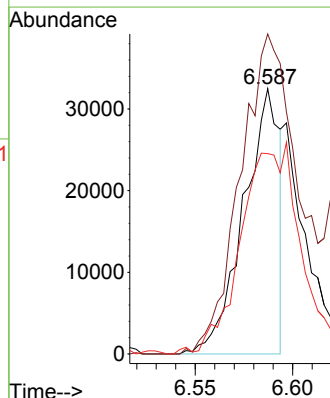
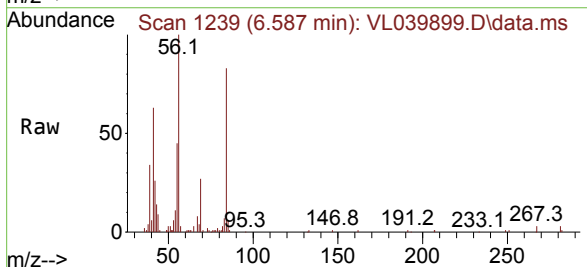
Tgt Ion: 84 Resp: 41447

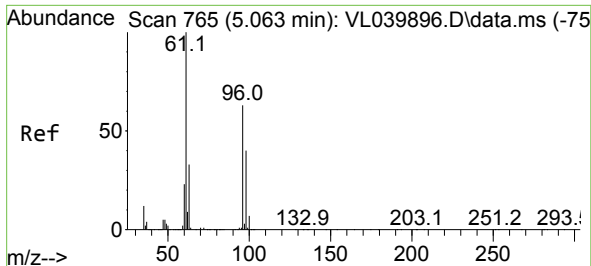
Ion Ratio Lower Upper

84 100

56 197.5 112.5 168.7#

41 0.0 67.8 101.8#

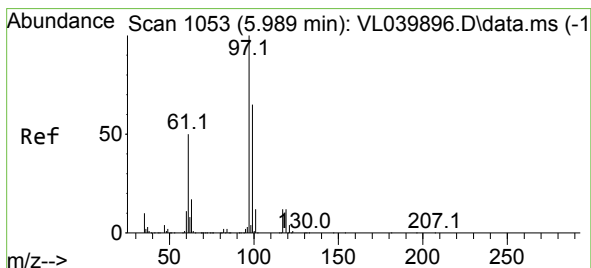
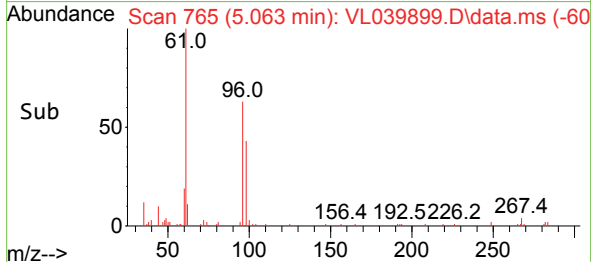
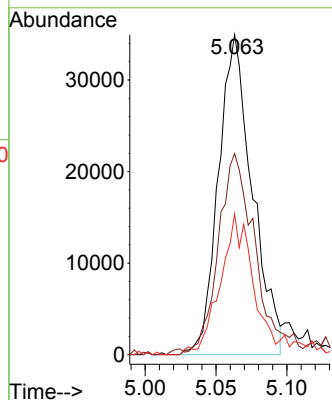
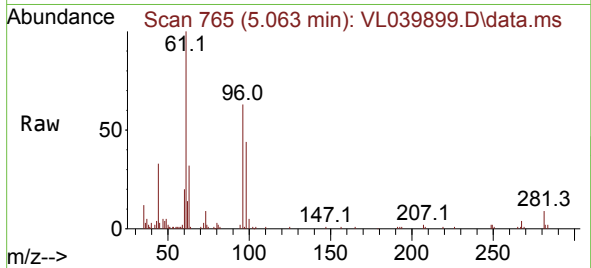




#31  
 cis-1,2-Dichloroethene  
 Concen: 0.476 ppbv  
 RT: 5.063 min Scan# 765  
 Delta R.T. -0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

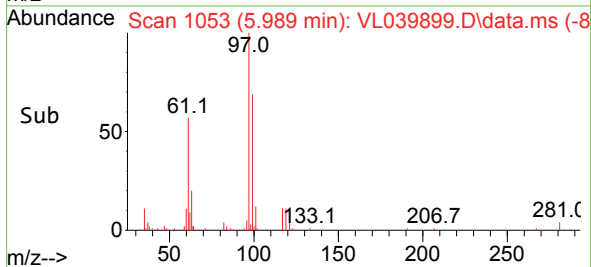
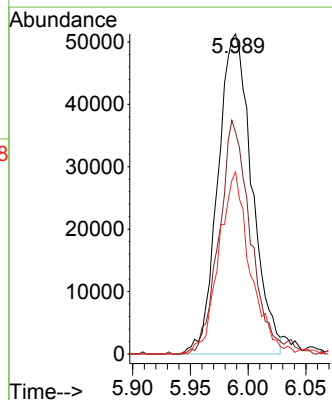
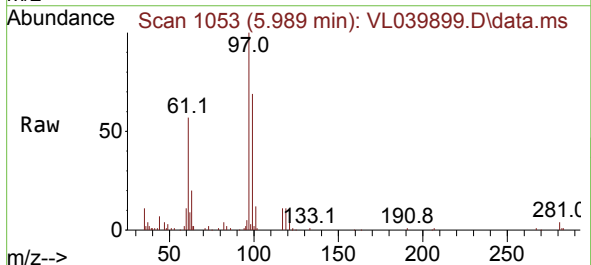
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

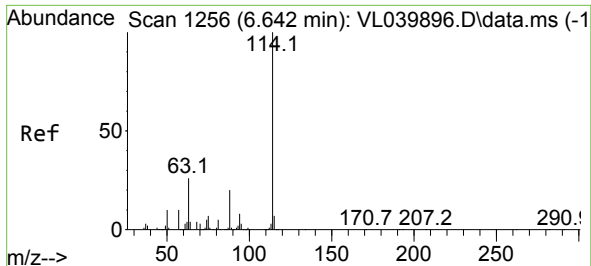
Tgt Ion: 61 Resp: 58263  
 Ion Ratio Lower Upper  
 61 100  
 96 61.1 50.3 75.5  
 98 44.0 32.2 48.2



#32  
 1,1,1-Trichloroethane  
 Concen: 0.477 ppbv  
 RT: 5.989 min Scan# 1053  
 Delta R.T. 0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 97 Resp: 105044  
 Ion Ratio Lower Upper  
 97 100  
 99 68.5 51.4 77.0  
 61 53.4 40.7 61.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

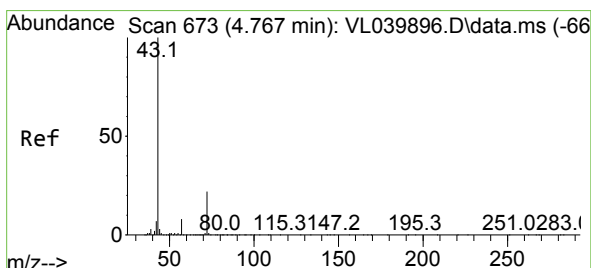
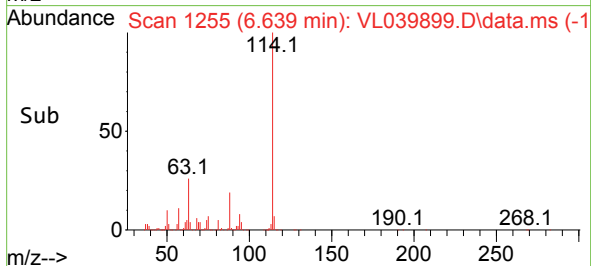
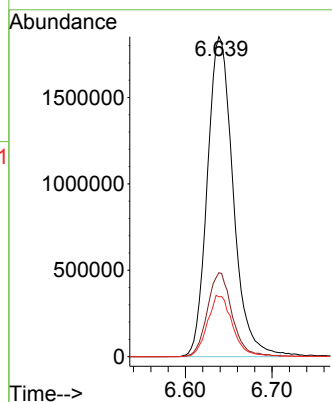
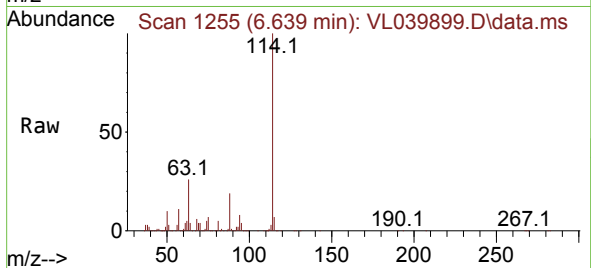
Tgt Ion:114 Resp: 3828387

Ion Ratio Lower Upper

114 100

63 25.7 21.4 32.0

88 18.8 15.3 22.9



#34

2-Butanone

Concen: 0.462 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.022 min

Lab File: VL039899.D

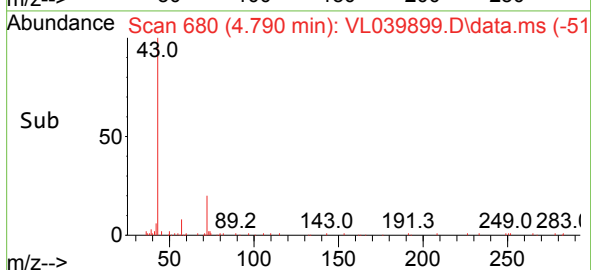
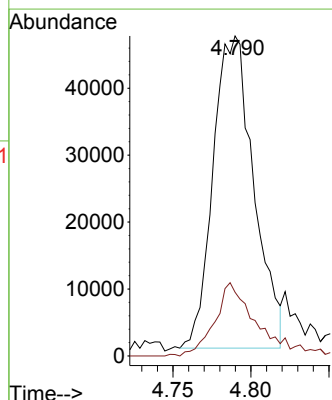
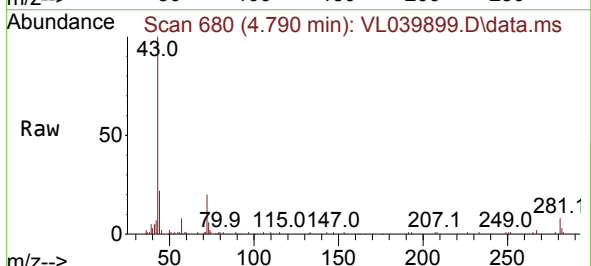
Acq: 18 Nov 2022 10:40

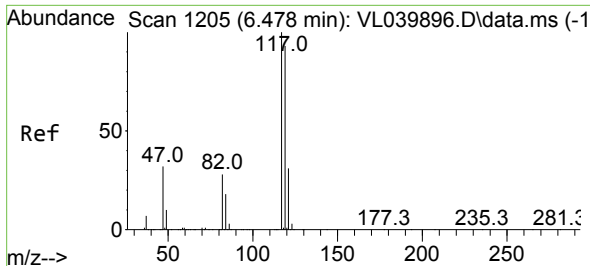
Tgt Ion: 43 Resp: 84684

Ion Ratio Lower Upper

43 100

72 24.9 17.4 26.2

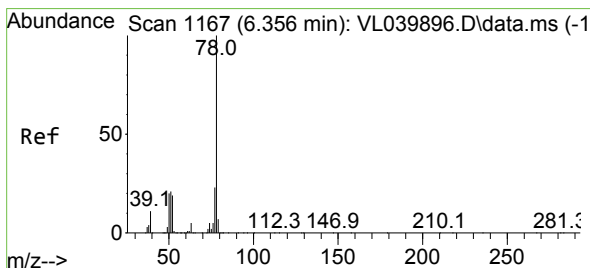
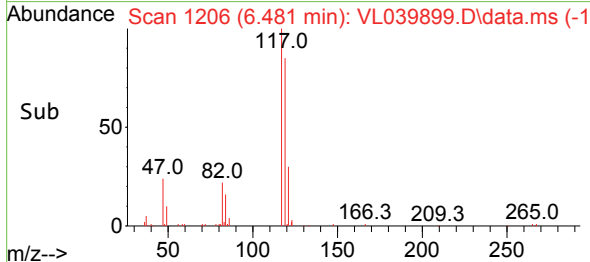
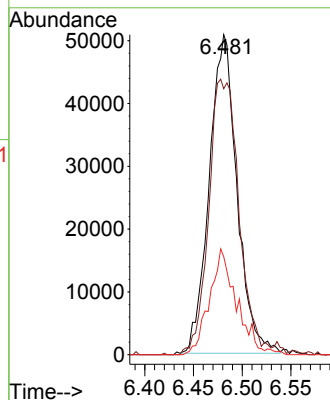
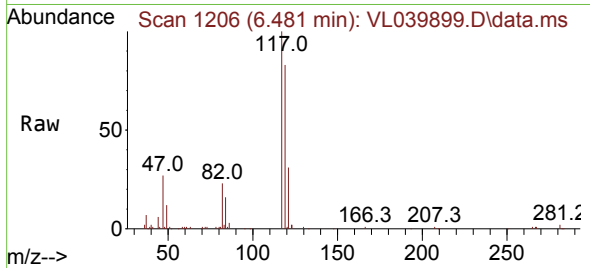




#35  
Carbon Tetrachloride  
Concen: 0.462 ppbv  
RT: 6.481 min Scan# 1166  
Delta R.T. 0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

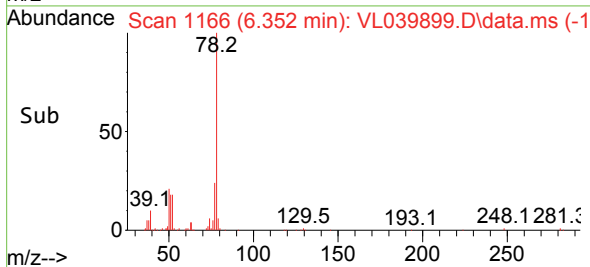
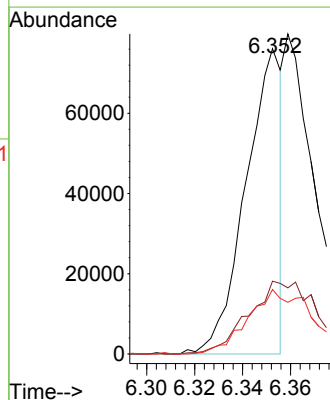
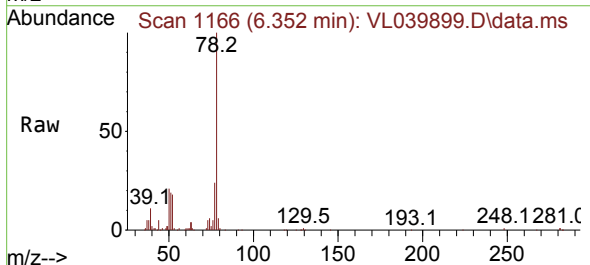
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

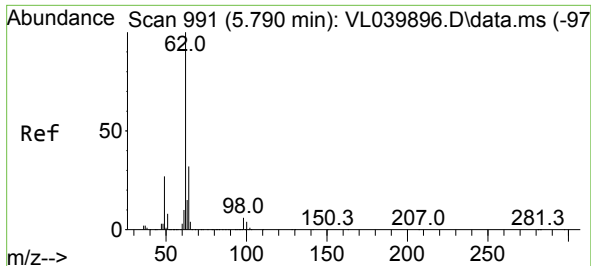
Tgt Ion:117 Resp: 100534  
Ion Ratio Lower Upper  
117 100  
119 82.3 74.7 112.1  
121 30.8 24.5 36.7



#36  
Benzene  
Concen: 0.242 ppbv  
RT: 6.352 min Scan# 1166  
Delta R.T. -0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 78 Resp: 78857  
Ion Ratio Lower Upper  
78 100  
77 23.8 18.2 27.2  
50 21.1 15.8 23.8

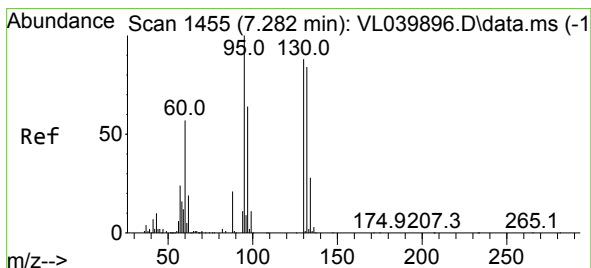
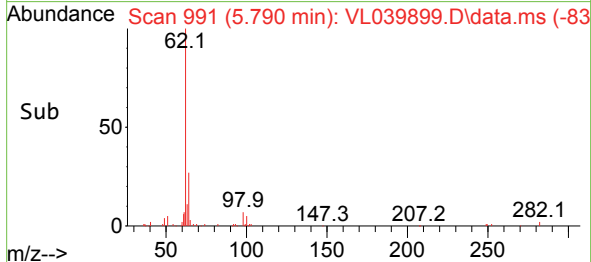
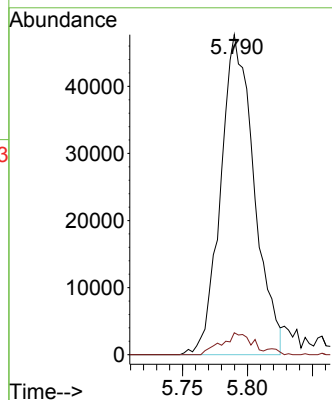
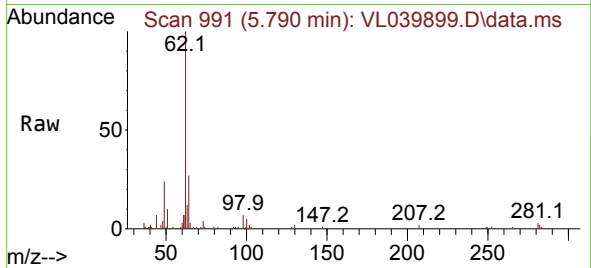




#37  
1,2-Dichloroethane  
Concen: 0.480 ppbv  
RT: 5.790 min Scan# 991  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

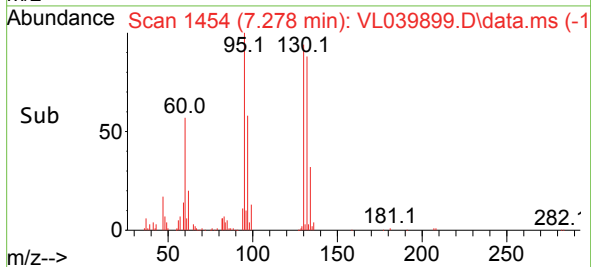
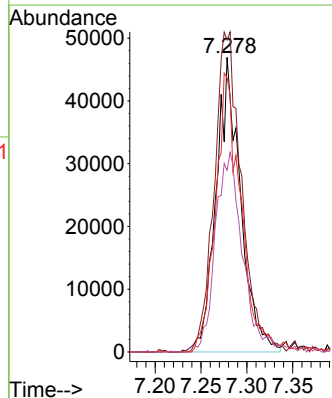
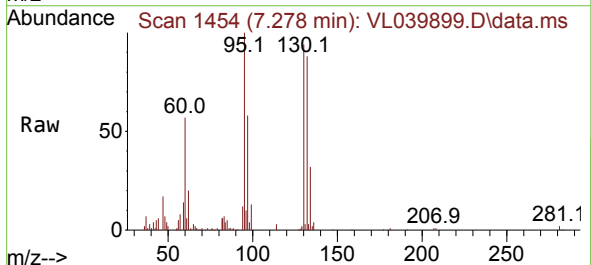
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

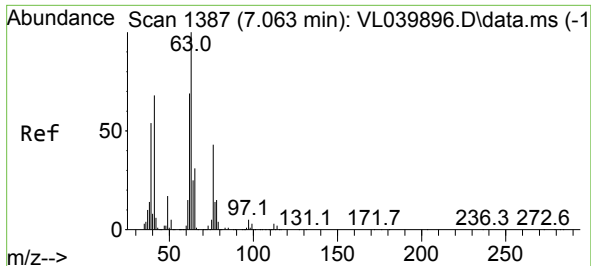
Tgt Ion: 62 Resp: 85523  
Ion Ratio Lower Upper  
62 100  
98 6.7 5.0 7.6



#38  
Trichloroethene  
Concen: 0.480 ppbv  
RT: 7.278 min Scan# 1454  
Delta R.T. -0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 130 Resp: 87245  
Ion Ratio Lower Upper  
130 100  
95 105.9 90.6 135.8  
132 93.2 76.2 114.4  
97 61.7 58.0 87.0





#39

1,2-Dichloropropane

Concen: 0.495 ppbv

RT: 7.060 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

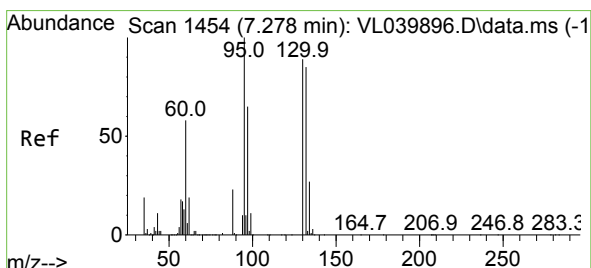
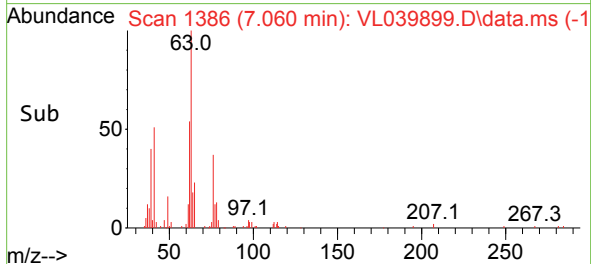
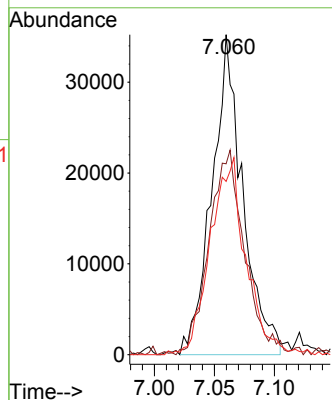
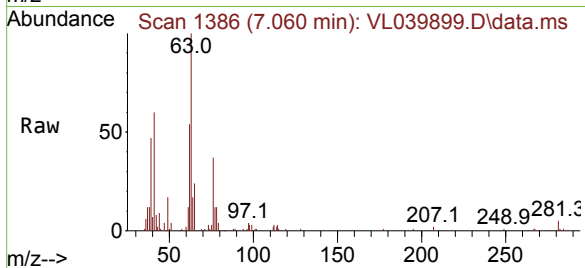
Tgt Ion: 63 Resp: 62707

Ion Ratio Lower Upper

63 100

41 58.0 54.7 82.1

62 53.4 55.0 82.6#



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 7.282 min Scan# 1455

Delta R.T. 0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Tgt Ion: 88 Resp: 351

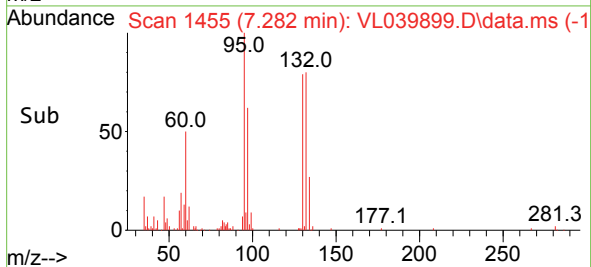
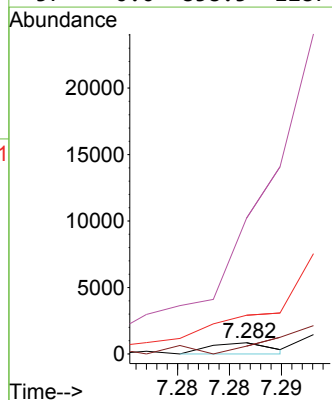
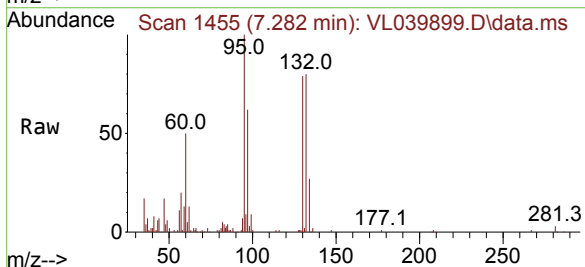
Ion Ratio Lower Upper

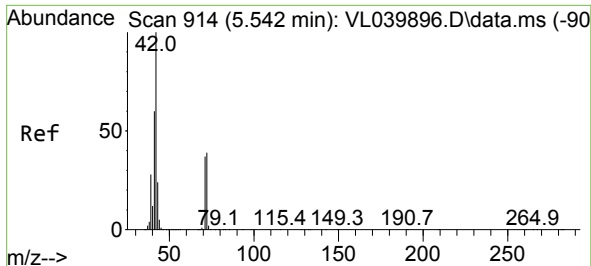
88 100

58 0.0 100.5 150.7#

43 0.0 195.8 293.8#

57 0.0 858.5 1287.7#





#41

Tetrahydrofuran

Concen: 0.467 ppbv

RT: 5.574 min Scan# 914

Delta R.T. 0.032 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

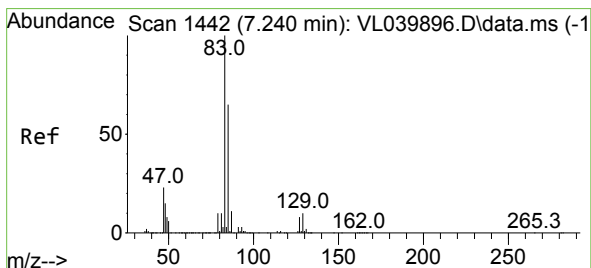
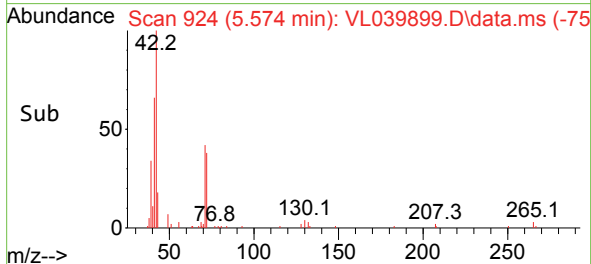
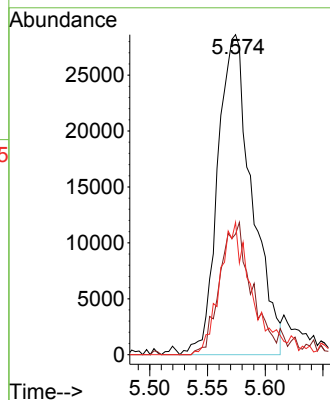
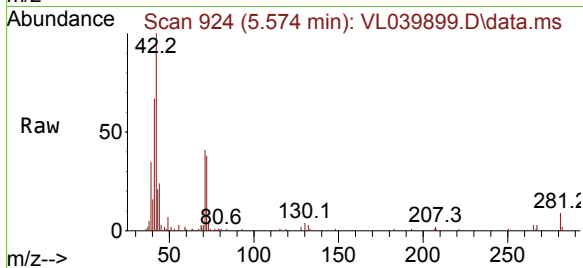
Tgt Ion: 42 Resp: 59074

Ion Ratio Lower Upper

42 100

72 40.7 31.6 47.4

71 39.9 31.2 46.8



#42

Bromodichloromethane

Concen: 0.426 ppbv

RT: 7.240 min Scan# 1442

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

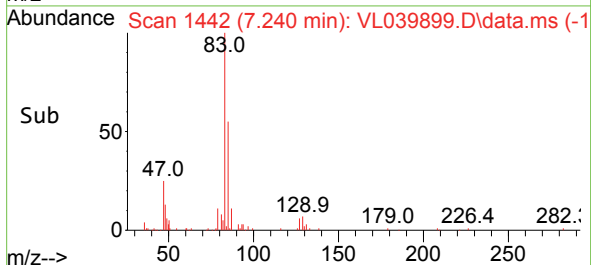
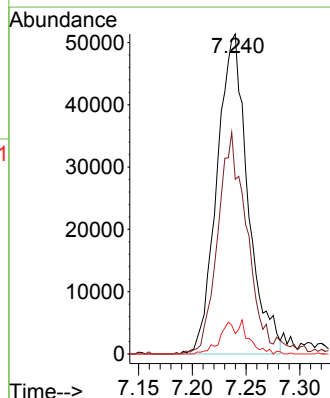
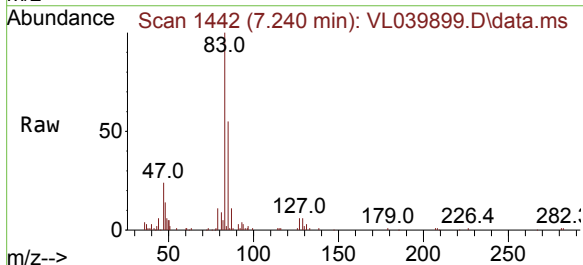
Tgt Ion: 83 Resp: 102973

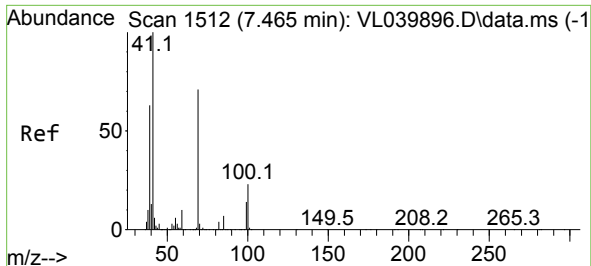
Ion Ratio Lower Upper

83 100

85 54.6 52.0 78.0

127 6.4 6.5 9.7

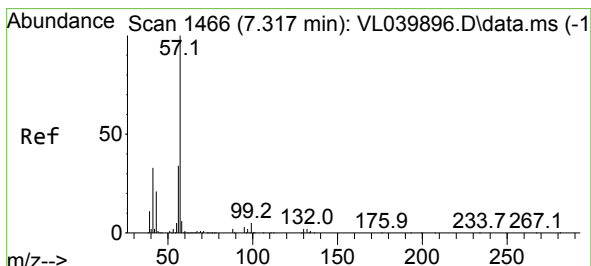
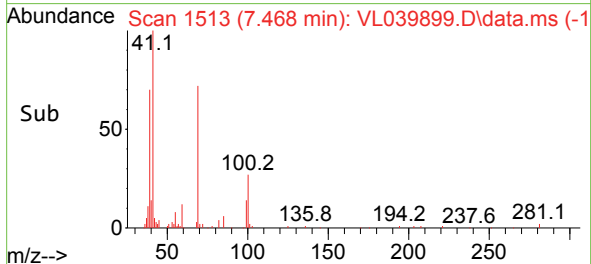
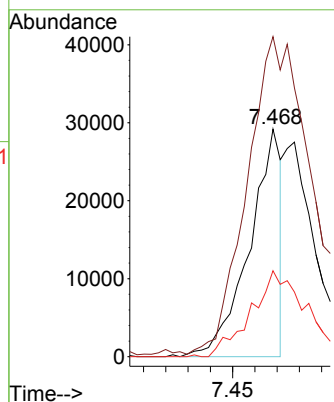
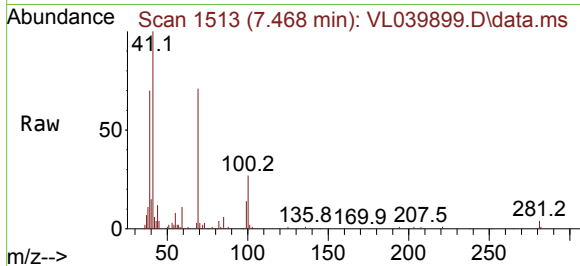




#43  
Methyl Methacrylate  
Concen: 0.227 ppbv  
RT: 7.468 min Scan# 1513  
Delta R.T. 0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

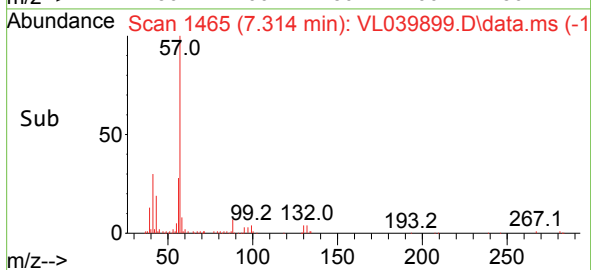
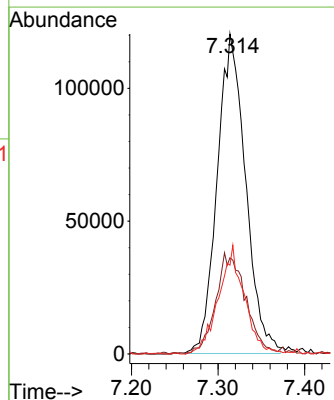
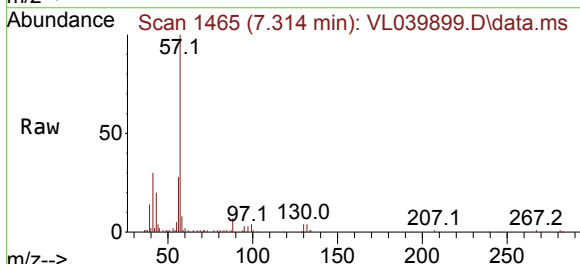
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

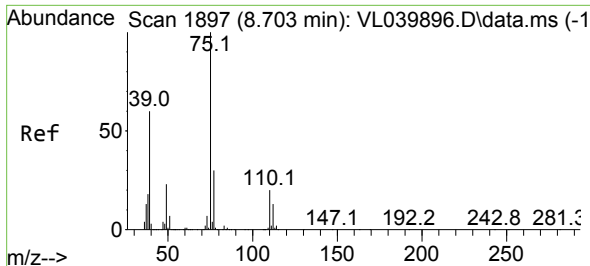
Tgt Ion: 69 Resp: 28923  
Ion Ratio Lower Upper  
69 100  
41 300.9 116.4 174.6#  
100 72.9 26.8 40.2#



#44  
2,2,4-Trimethylpentane  
Concen: 0.504 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. -0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 57 Resp: 273881  
Ion Ratio Lower Upper  
57 100  
41 34.2 26.2 39.2  
56 30.8 25.5 38.3

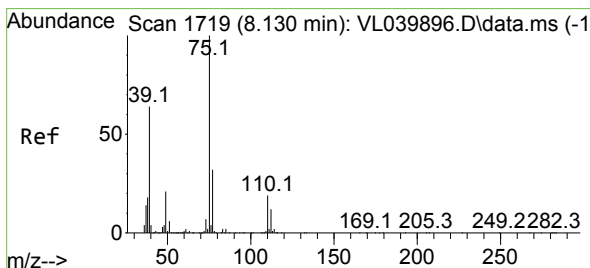
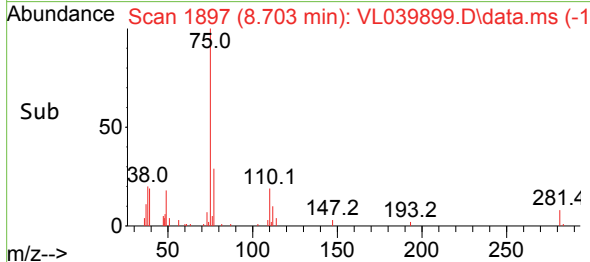
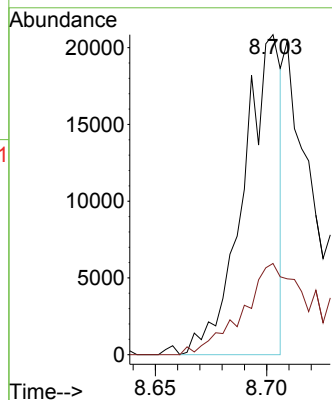
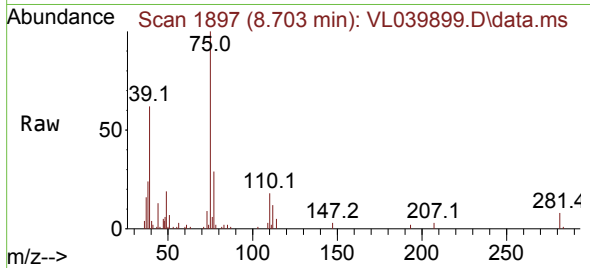




#45  
 t-1,3-Dichloropropene  
 Concen: 0.208 ppbv  
 RT: 8.703 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

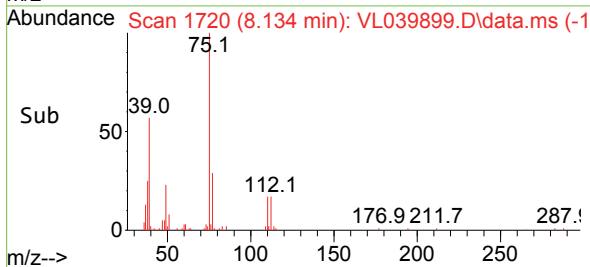
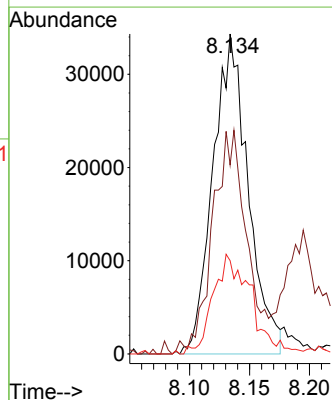
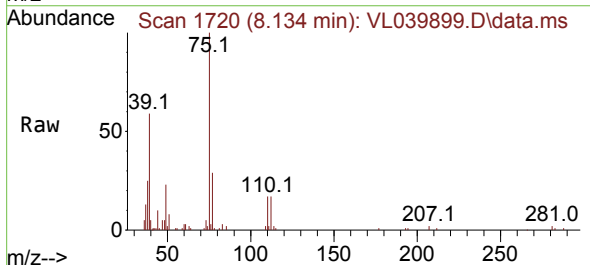
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC0.5

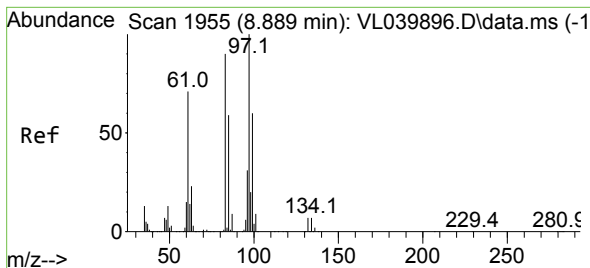
Tgt Ion: 75 Resp: 24477  
 Ion Ratio Lower Upper  
 75 100  
 77 28.5 24.2 36.4



#46  
 cis-1,3-Dichloropropene  
 Concen: 0.430 ppbv  
 RT: 8.134 min Scan# 1720  
 Delta R.T. 0.003 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Tgt Ion: 75 Resp: 70145  
 Ion Ratio Lower Upper  
 75 100  
 39 54.9 51.0 76.4  
 77 29.2 25.4 38.0





#47

1,1,2-Trichloroethane

Concen: 0.172 ppbv

RT: 8.899 min Scan# 1955

Delta R.T. 0.010 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 97 Resp: 22444

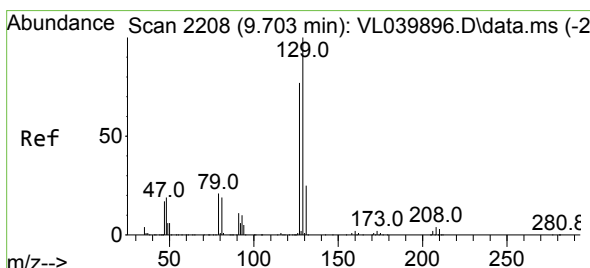
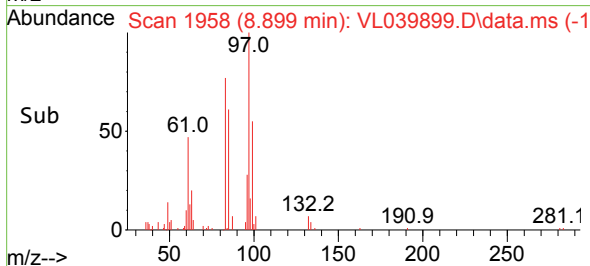
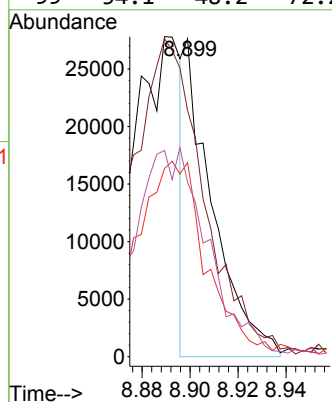
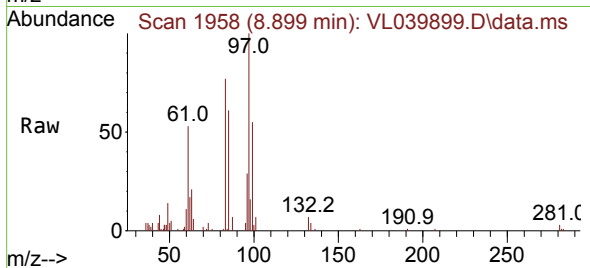
Ion Ratio Lower Upper

97 100

83 76.4 72.1 108.1

85 58.1 47.2 70.8

99 54.1 48.2 72.2



#48

Dibromochloromethane

Concen: 0.363 ppbv

RT: 9.703 min Scan# 2208

Delta R.T. -0.000 min

Lab File: VL039899.D

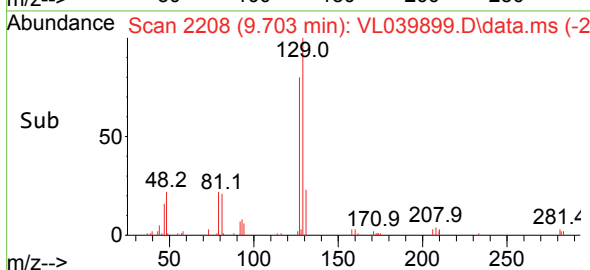
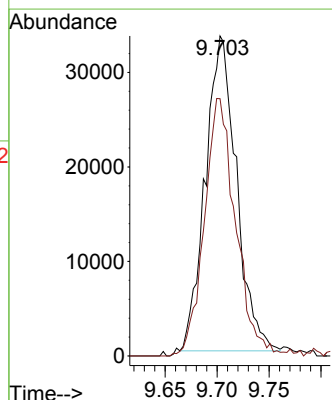
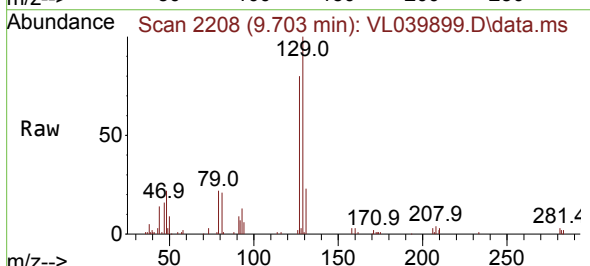
Acq: 18 Nov 2022 10:40

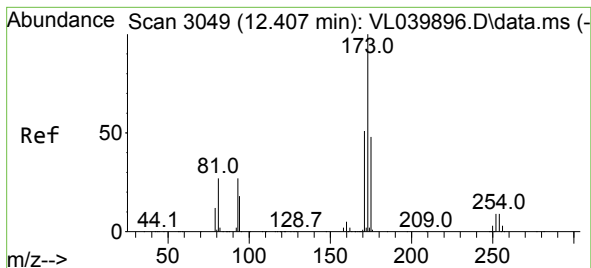
Tgt Ion: 129 Resp: 69332

Ion Ratio Lower Upper

129 100

127 82.6 39.1 117.3





#49

Bromoform

Concen: 0.321 ppbv

RT: 12.404 min Scan# 3049

Delta R.T. -0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

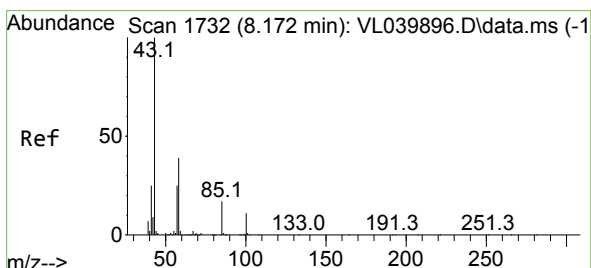
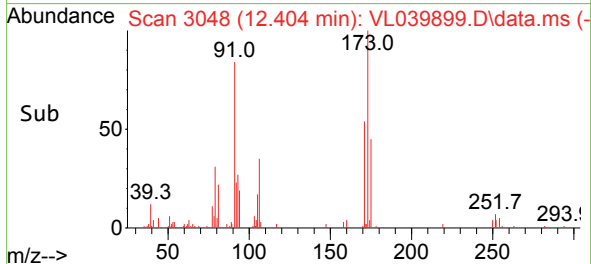
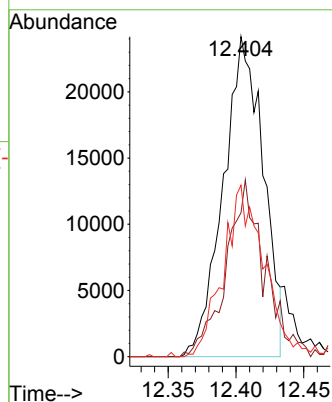
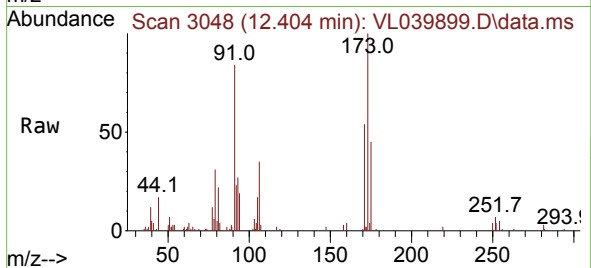
Tgt Ion:173 Resp: 49640

Ion Ratio Lower Upper

173 100

175 54.3 39.1 58.7

171 56.0 41.8 62.8



#50

4-Methyl-2-Pentanone

Concen: 0.457 ppbv

RT: 8.195 min Scan# 1739

Delta R.T. 0.023 min

Lab File: VL039899.D

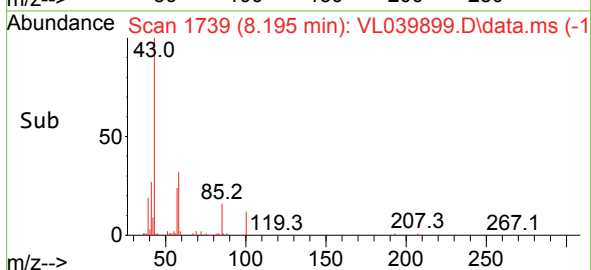
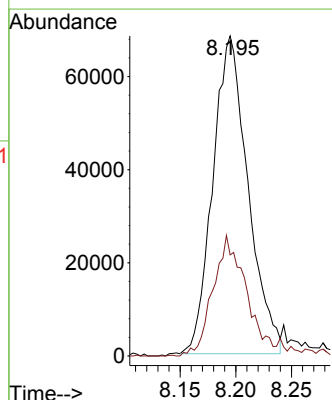
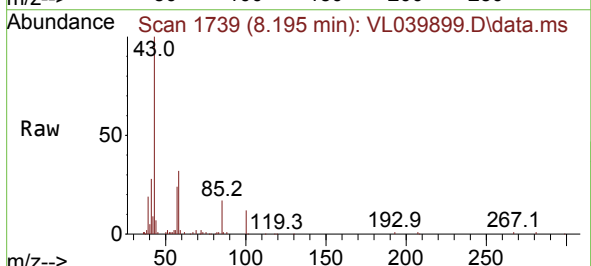
Acq: 18 Nov 2022 10:40

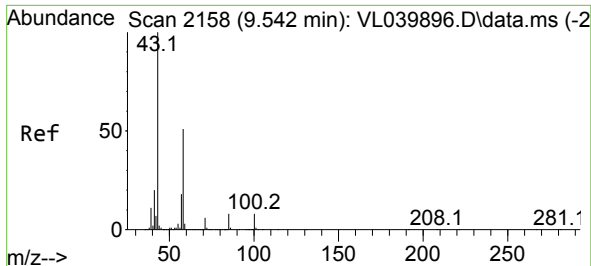
Tgt Ion: 43 Resp: 150029

Ion Ratio Lower Upper

43 100

58 38.4 29.8 44.6

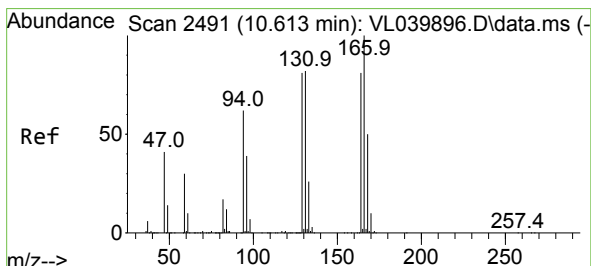
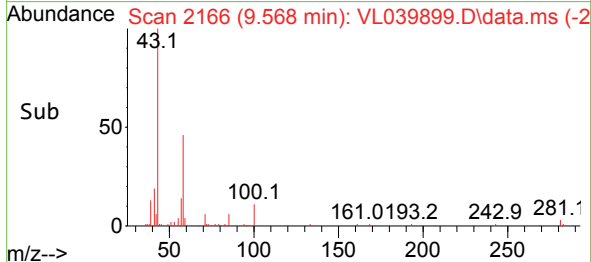
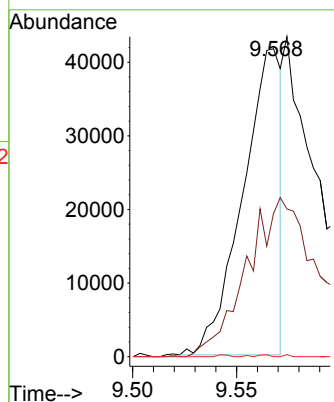
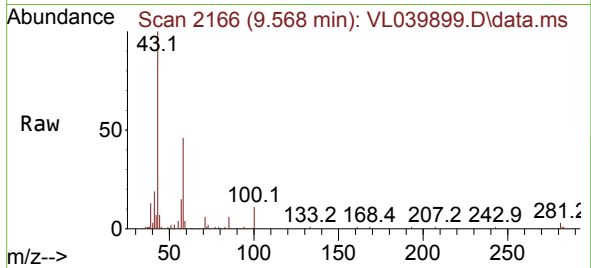




#51  
2-Hexanone  
Concen: 0.210 ppbv  
RT: 9.568 min Scan# 2158  
Delta R.T. 0.026 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

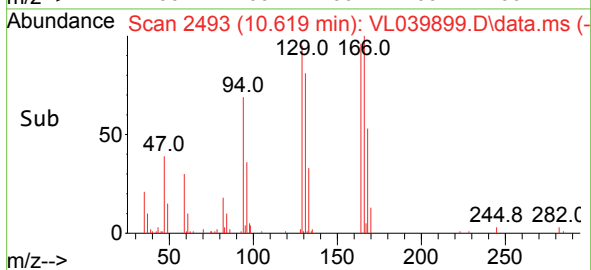
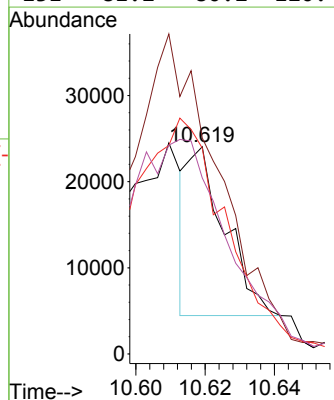
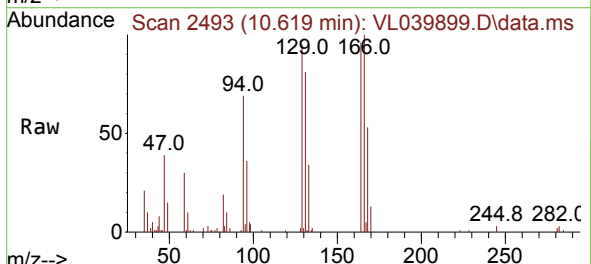
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

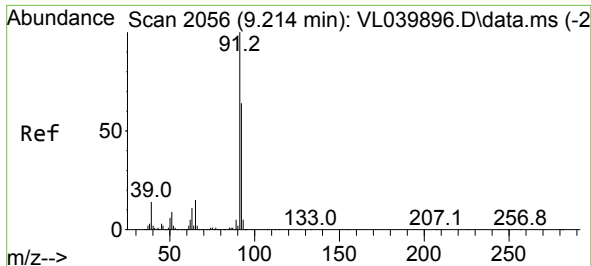
Tgt Ion: 43 Resp: 53463  
Ion Ratio Lower Upper  
43 100  
58 0.0 40.2 60.4#  
98 0.1 0.1 0.1#



#52  
Tetrachloroethene  
Concen: 0.120 ppbv  
RT: 10.619 min Scan# 2493  
Delta R.T. 0.006 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 164 Resp: 14603  
Ion Ratio Lower Upper  
164 100  
166 105.9 98.3 147.5  
129 105.1 79.7 119.5  
131 81.2 80.2 120.4

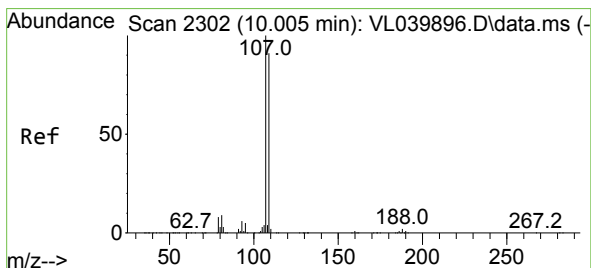
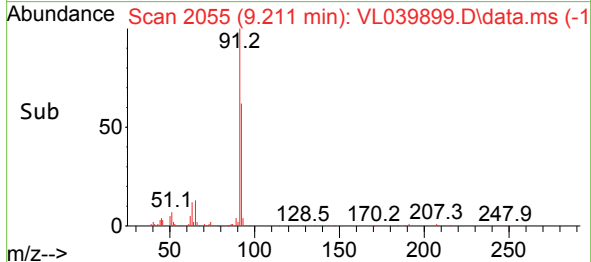
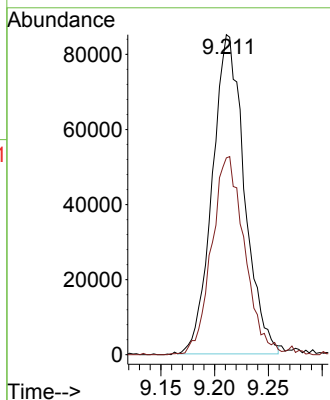
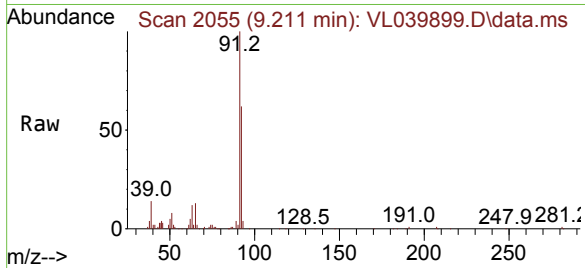




#53  
Toluene  
Concen: 0.477 ppbv  
RT: 9.211 min Scan# 2055  
Delta R.T. -0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

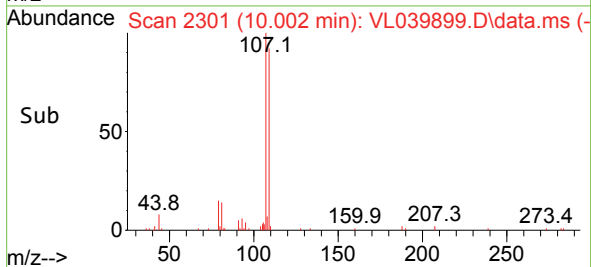
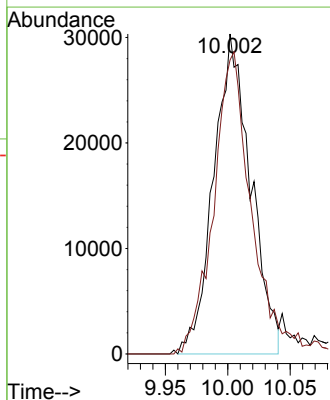
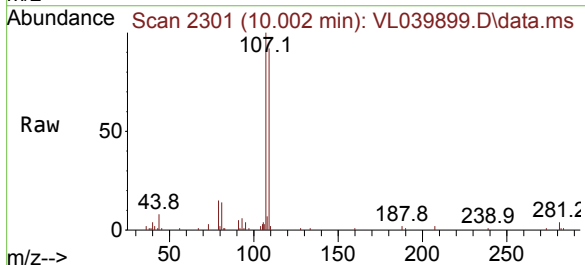
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

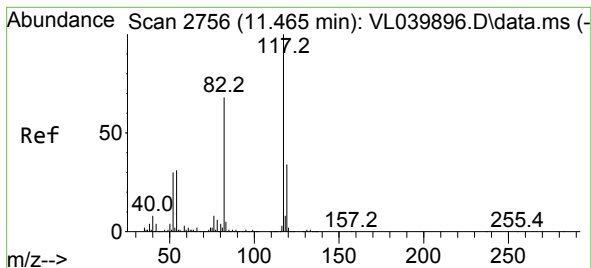
Tgt Ion: 91 Resp: 176647  
Ion Ratio Lower Upper  
91 100  
92 64.5 49.8 74.6



#54  
1,2-Dibromoethane  
Concen: 0.451 ppbv  
RT: 10.002 min Scan# 2301  
Delta R.T. -0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 107 Resp: 62721  
Ion Ratio Lower Upper  
107 100  
109 90.3 72.8 109.2

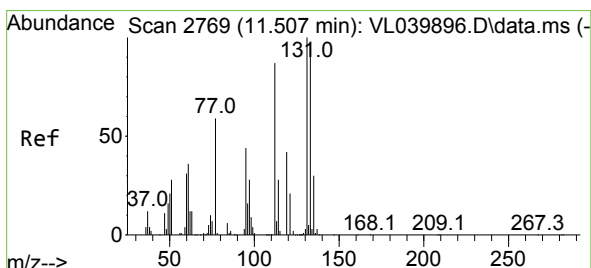
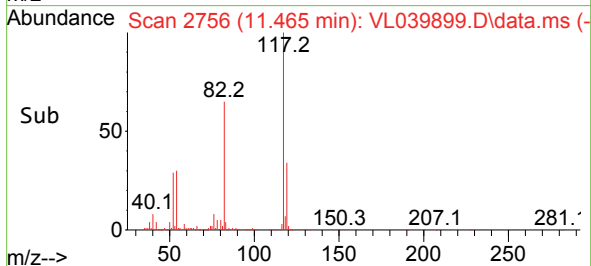
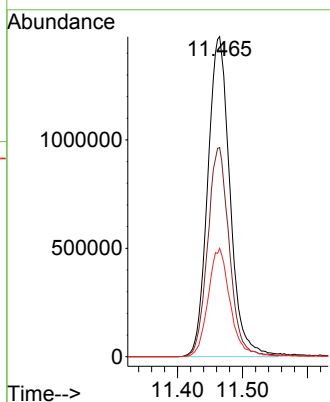
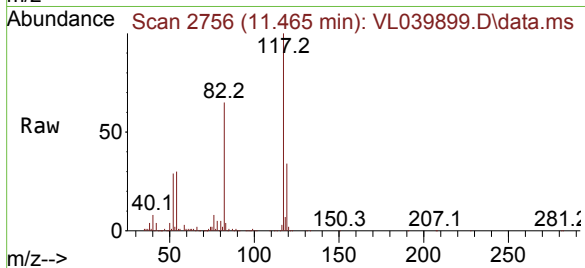




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.465 min Scan# 2756  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

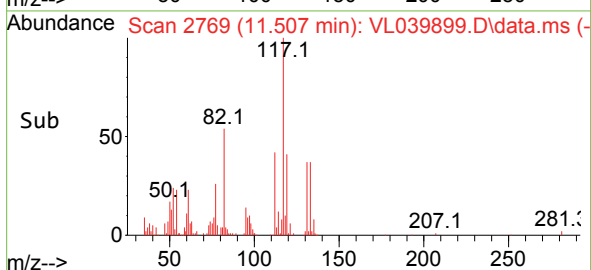
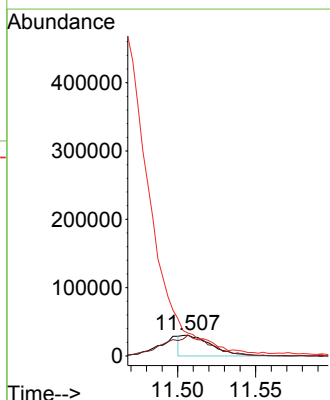
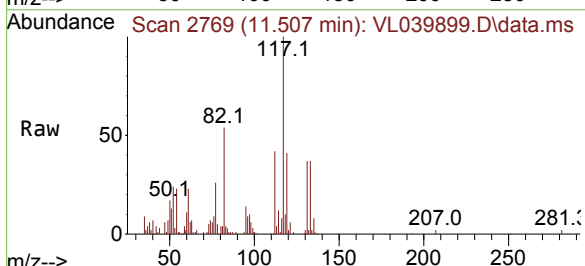
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

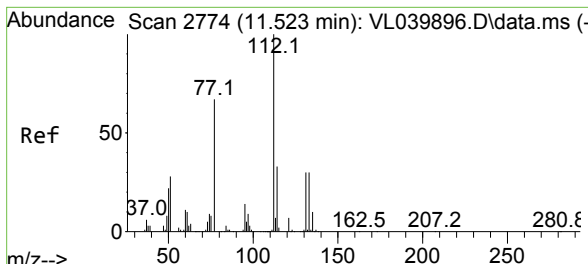
Tgt Ion:117 Resp: 3506226  
Ion Ratio Lower Upper  
117 100  
82 64.9 52.3 78.5  
119 34.0 25.7 38.5



#56  
1,1,1,2-Tetrachloroethane  
Concen: 0.286 ppbv  
RT: 11.507 min Scan# 2769  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion:131 Resp: 41011  
Ion Ratio Lower Upper  
131 100  
133 157.3 76.7 115.1#  
119 0.0 46.6 69.8#

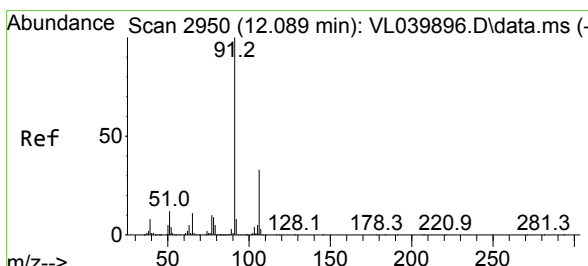
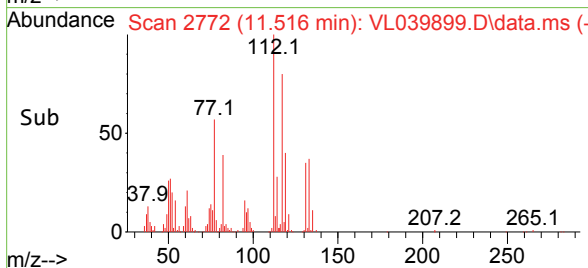
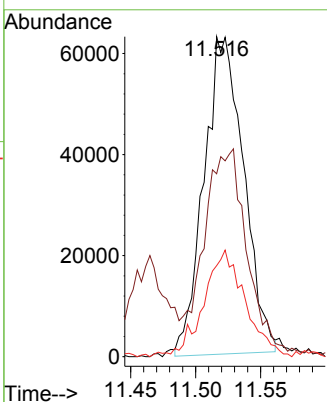
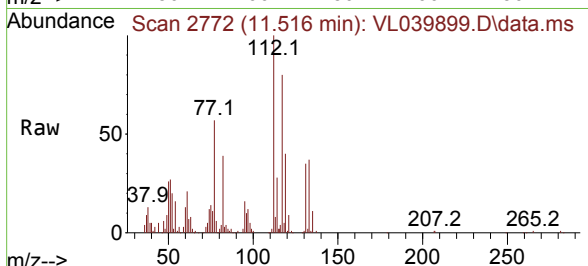




#57  
Chlorobenzene  
Concen: 0.499 ppbv  
RT: 11.516 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

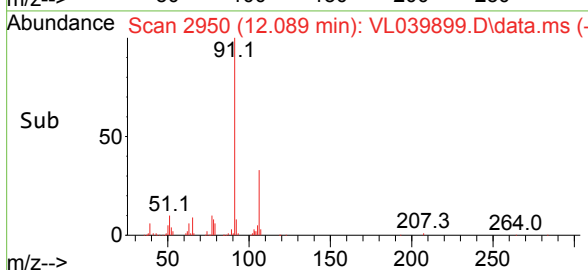
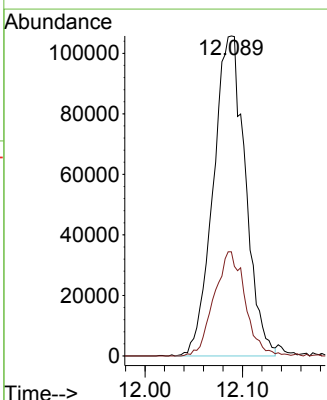
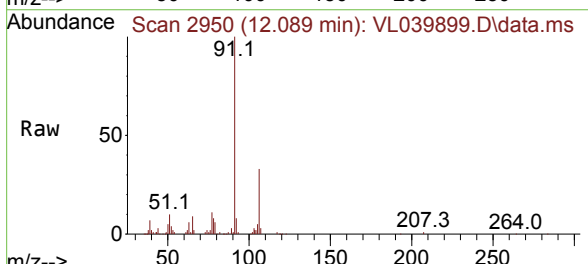
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

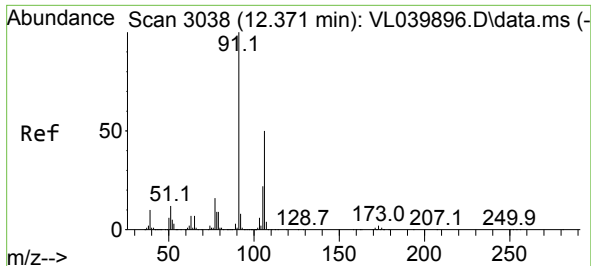
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 133737 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 77       | 54.2  | 54.6  | 81.8#  |
| 114      | 26.5  | 30.1  | 36.7#  |



#58  
Ethyl Benzene  
Concen: 0.508 ppbv  
RT: 12.089 min Scan# 2950  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 241695 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 106      | 32.3  | 26.1  | 39.1   |





#59

m/p-Xylene

Concen: 0.512 ppbv

RT: 12.368 min Scan# 3037

Delta R.T. -0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

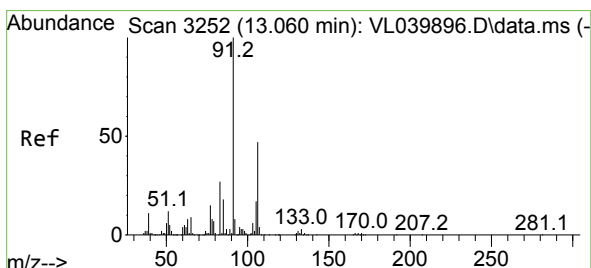
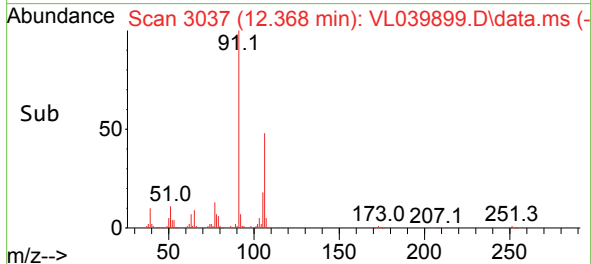
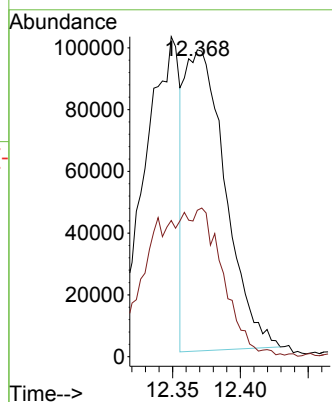
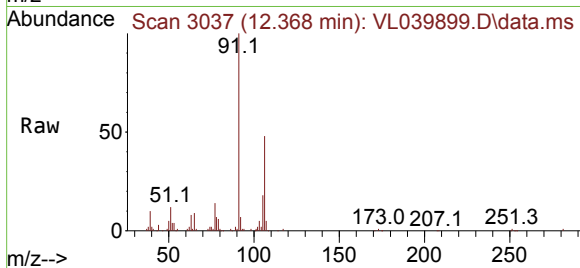
VSTDIC0.5

Tgt Ion: 91 Resp: 203833

Ion Ratio Lower Upper

91 100

106 89.5 37.0 55.6#



#60

o-Xylene

Concen: 0.496 ppbv

RT: 13.063 min Scan# 3253

Delta R.T. 0.003 min

Lab File: VL039899.D

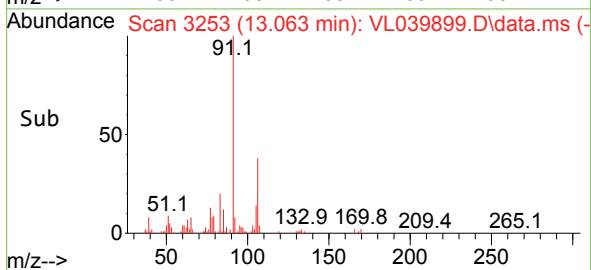
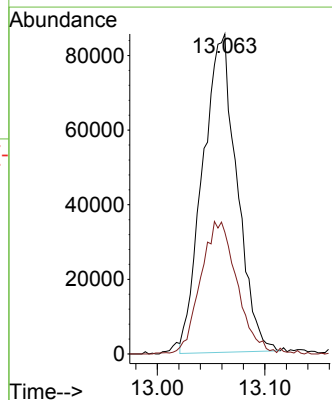
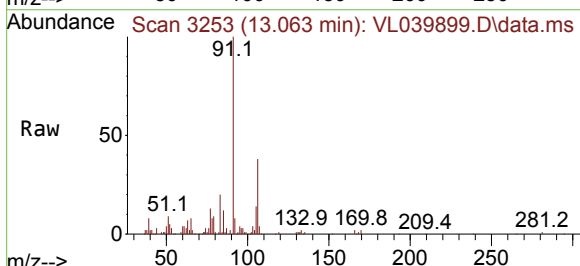
Acq: 18 Nov 2022 10:40

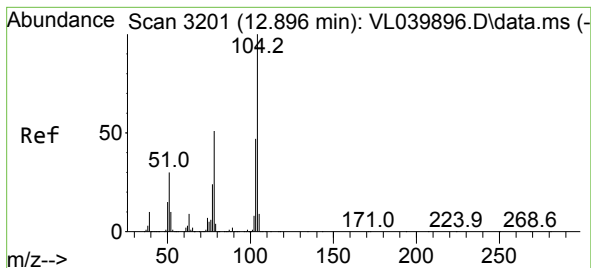
Tgt Ion: 91 Resp: 188295

Ion Ratio Lower Upper

91 100

106 44.6 23.2 69.6





#61

Styrene

Concen: 0.459 ppbv

RT: 12.899 min Scan# 31

Delta R.T. 0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC0.5

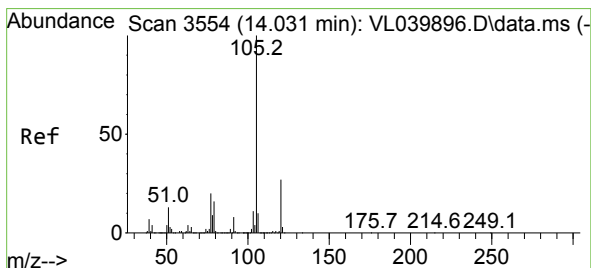
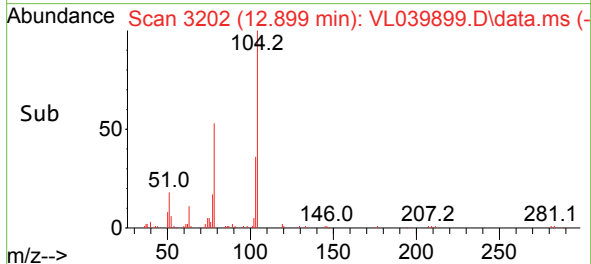
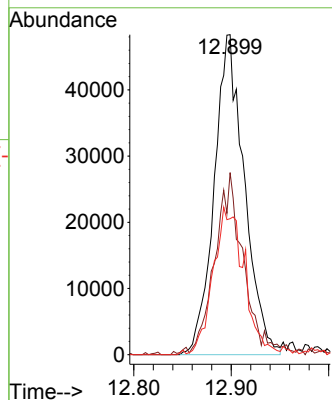
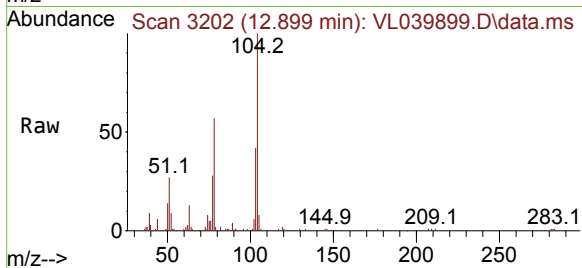
Tgt Ion:104 Resp: 103997

Ion Ratio Lower Upper

104 100

78 55.1 41.8 62.8

103 48.8 37.2 55.8



#62

Isopropylbenzene

Concen: 0.291 ppbv

RT: 14.031 min Scan# 3554

Delta R.T. -0.000 min

Lab File: VL039899.D

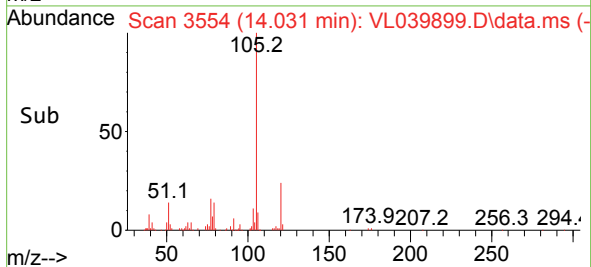
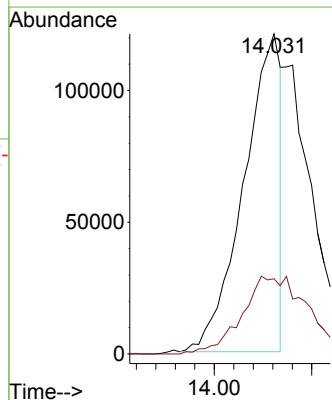
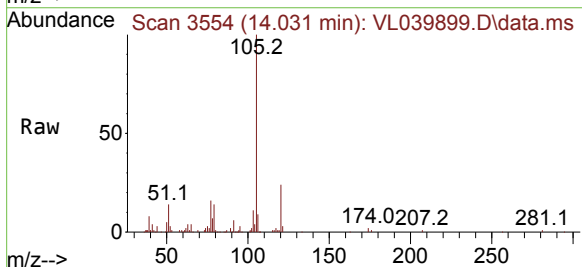
Acq: 18 Nov 2022 10:40

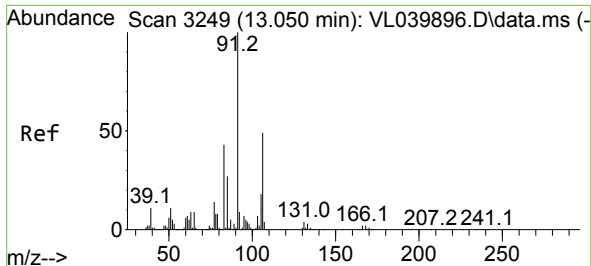
Tgt Ion:105 Resp: 159147

Ion Ratio Lower Upper

105 100

120 44.0 21.4 32.2#

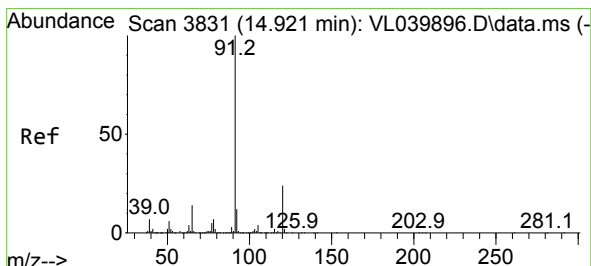
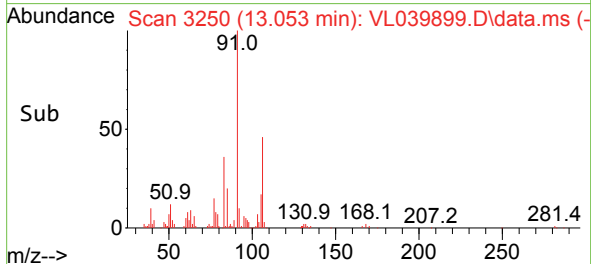
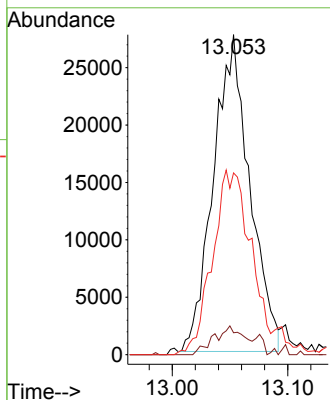
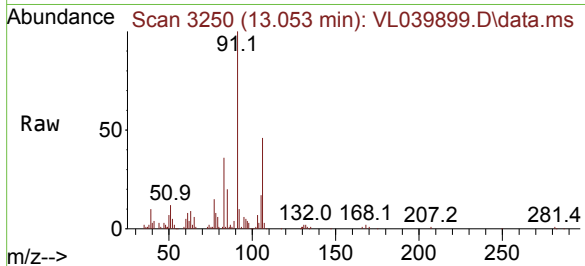




#63  
1,1,2,2-Tetrachloroethane  
Concen: 0.476 ppbv  
RT: 13.053 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

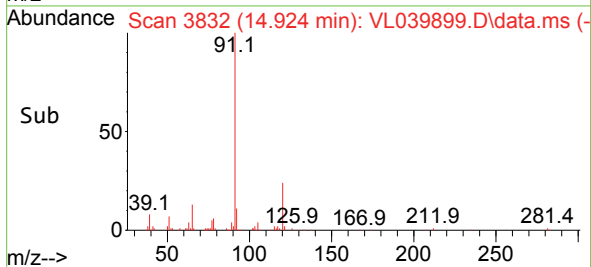
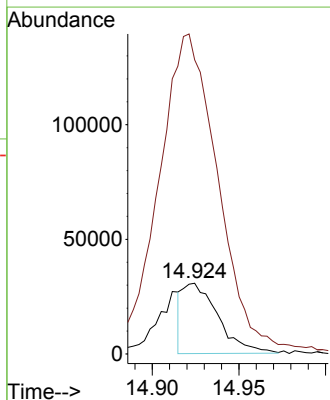
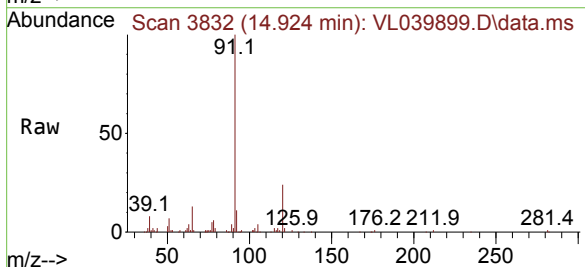
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

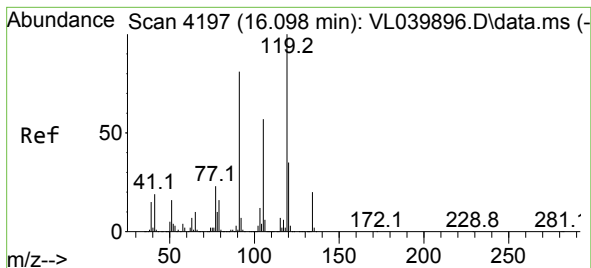
Tgt Ion: 83 Resp: 60367  
Ion Ratio Lower Upper  
83 100  
131 9.6 4.6 13.8  
85 65.8 33.0 99.0



#64  
n-propylbenzene  
Concen: 0.304 ppbv  
RT: 14.924 min Scan# 3832  
Delta R.T. 0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion:120 Resp: 43540  
Ion Ratio Lower Upper  
120 100  
91 767.5 353.7 530.5#





#65

tert-Butylbenzene

Concen: 0.507 ppbv

RT: 16.098 min Scan# 41

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

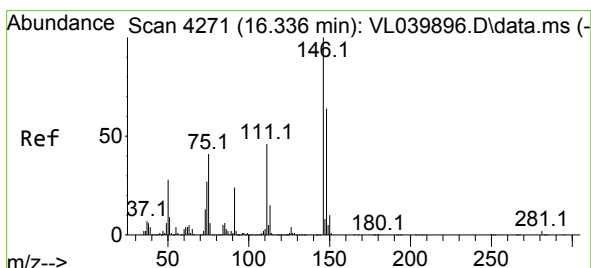
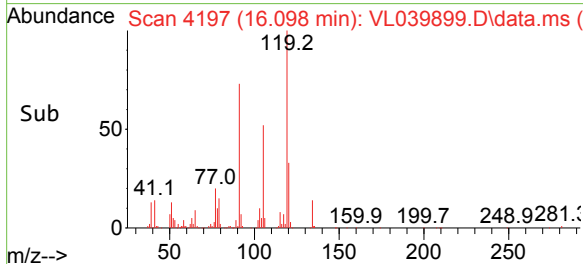
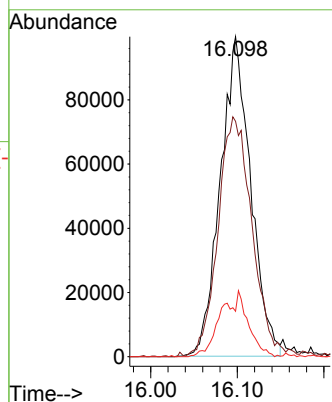
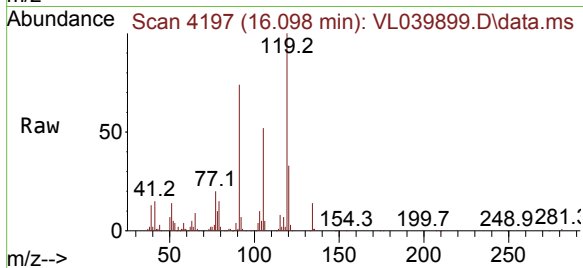
Tgt Ion:119 Resp: 242668

Ion Ratio Lower Upper

119 100

91 85.2 65.8 98.8

134 19.1 16.1 24.1



#66

Benzyl Chloride

Concen: 0.090 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

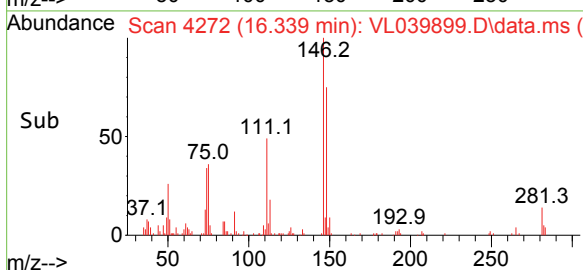
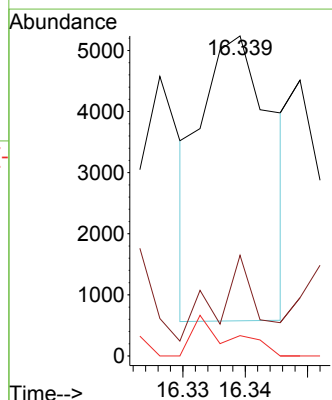
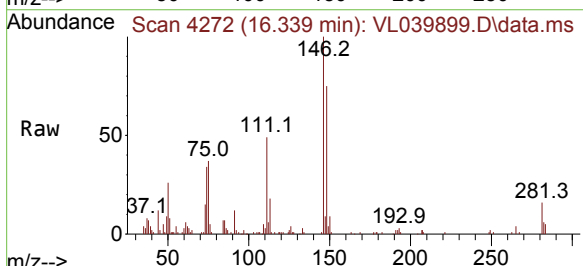
Tgt Ion: 91 Resp: 3687

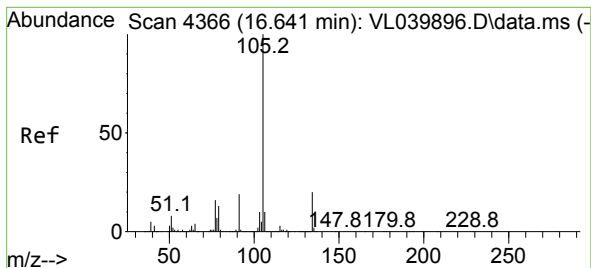
Ion Ratio Lower Upper

91 100

126 0.0 15.0 22.6#

128 13.8 4.6 7.0#





#67

sec-Butylbenzene

Concen: 0.508 ppbv

RT: 16.641 min Scan# 4366

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

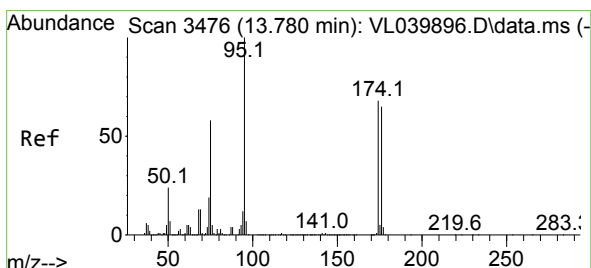
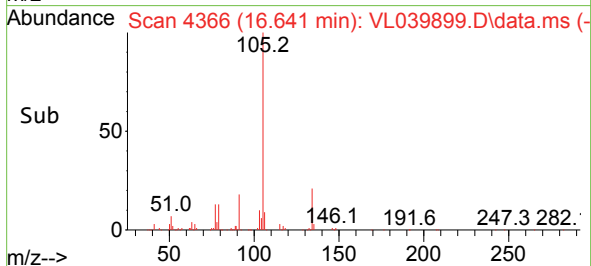
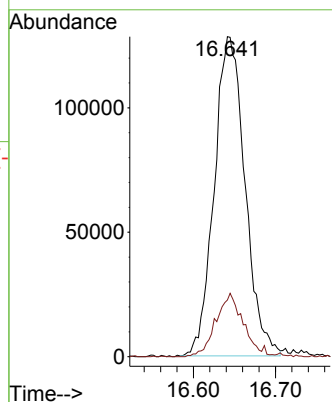
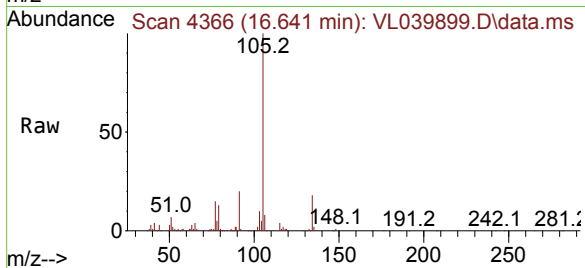
VSTDIC0.5

Tgt Ion:105 Resp: 334517

Ion Ratio Lower Upper

105 100

134 18.2 15.0 22.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.990 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

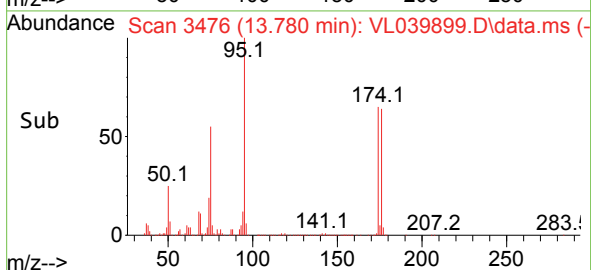
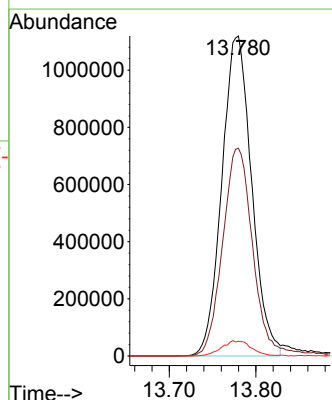
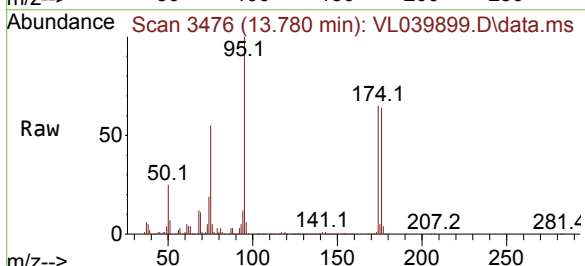
Tgt Ion: 95 Resp: 2675324

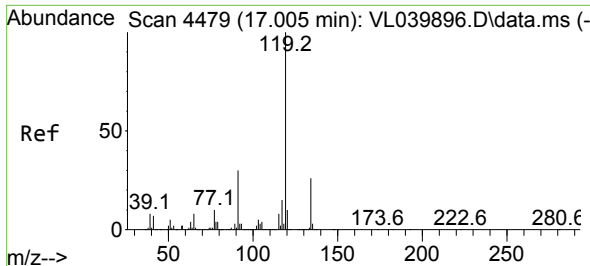
Ion Ratio Lower Upper

95 100

174 67.0 53.7 80.5

175 4.9 4.0 6.0

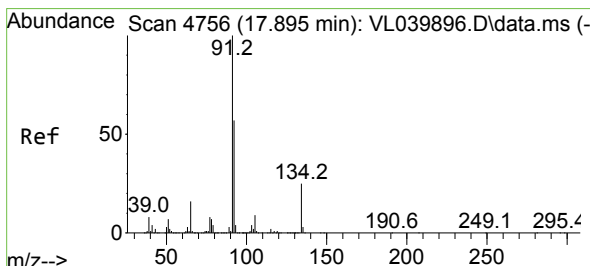
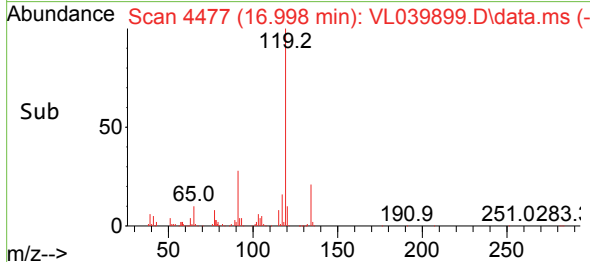
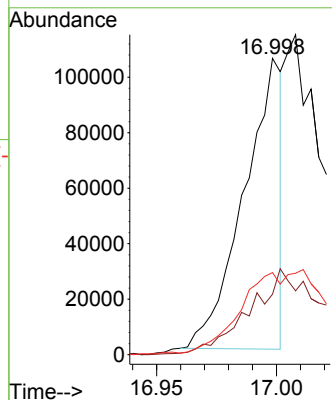
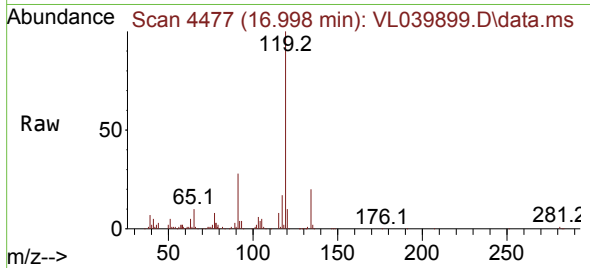




#69  
p-Isopropyltoluene  
Concen: 0.212 ppbv  
RT: 16.998 min Scan# 4477  
Delta R.T. -0.006 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

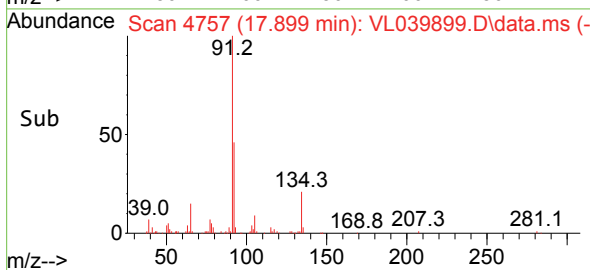
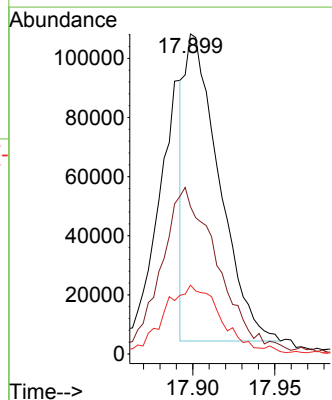
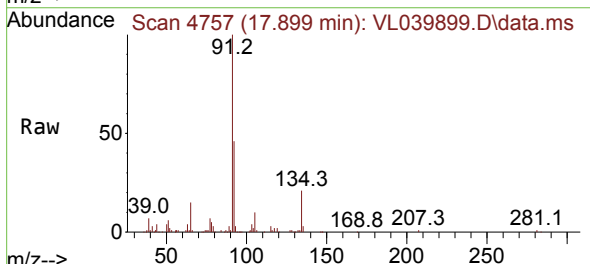
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

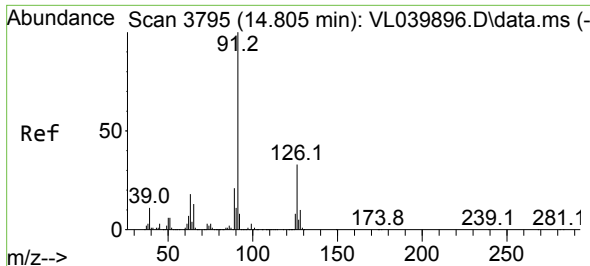
Tgt Ion:119 Resp: 115026  
Ion Ratio Lower Upper  
119 100  
134 60.0 21.0 31.4#  
91 0.0 24.4 36.6#



#70  
n-Butylbenzene  
Concen: 0.284 ppbv  
RT: 17.899 min Scan# 4757  
Delta R.T. 0.003 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 91 Resp: 152919  
Ion Ratio Lower Upper  
91 100  
92 91.8 44.2 66.2#  
134 38.6 18.8 28.2#

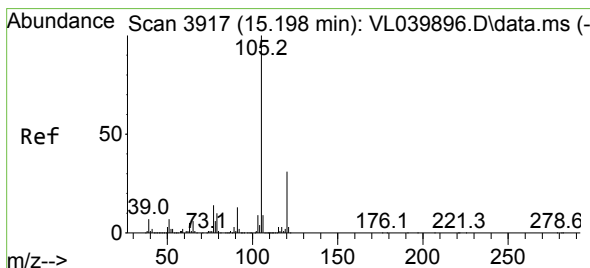
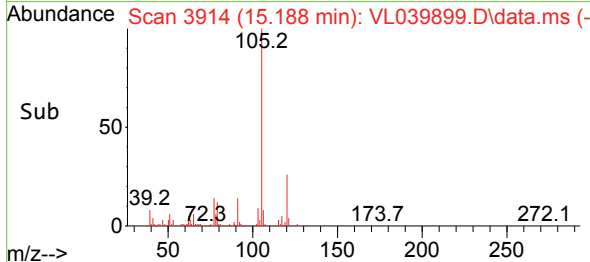
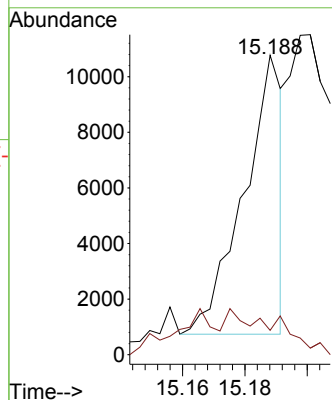
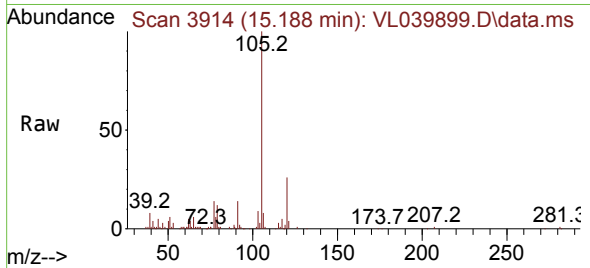




#71  
2-Chlorotoluene  
Concen: 0.021 ppbv  
RT: 15.188 min Scan# 3914  
Delta R.T. 0.383 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

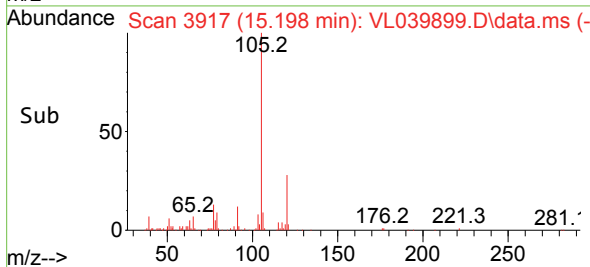
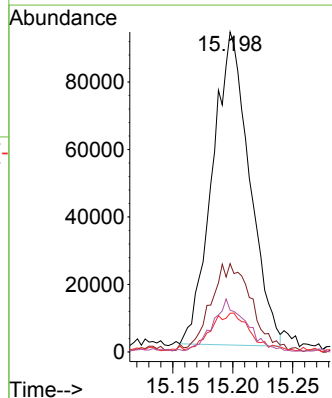
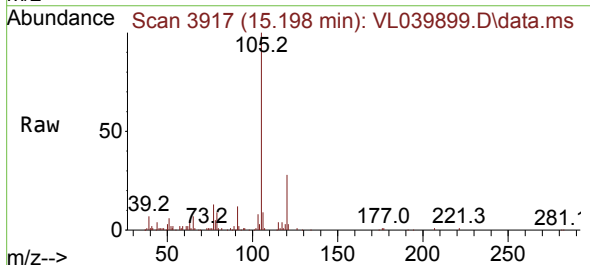
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.5

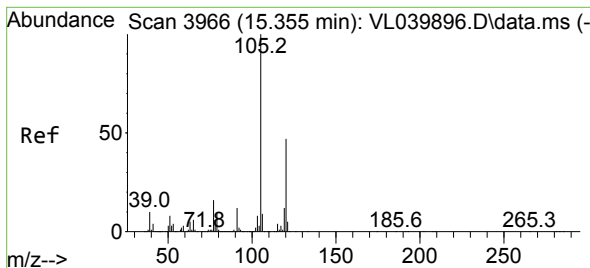
Tgt Ion: 91 Resp: 8540  
Ion Ratio Lower Upper  
91 100  
126 41.7 12.8 51.0



#72  
4-Ethyltoluene  
Concen: 0.468 ppbv  
RT: 15.198 min Scan# 3917  
Delta R.T. 0.000 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion: 105 Resp: 199830  
Ion Ratio Lower Upper  
105 100  
120 31.9 24.5 36.7  
91 14.6 10.4 15.6  
77 15.0 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 0.305 ppbv

RT: 15.355 min Scan# 3966

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

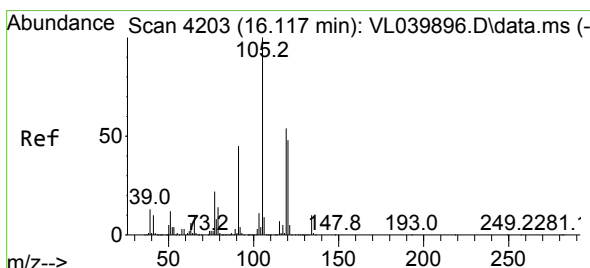
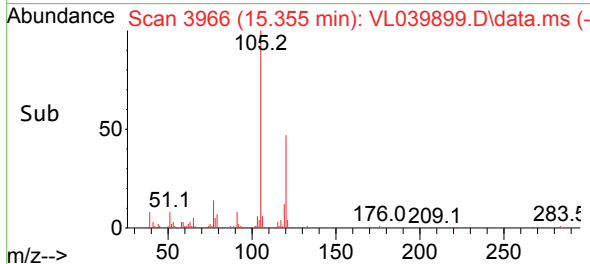
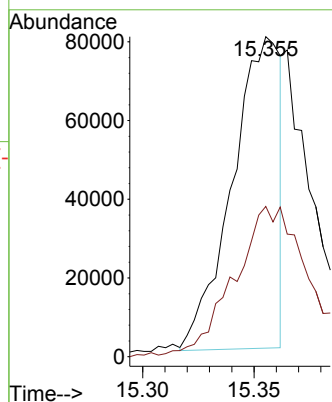
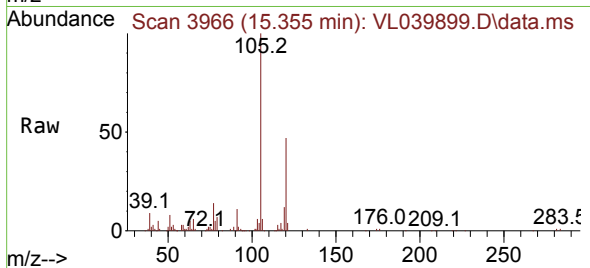
VSTDIC0.5

Tgt Ion:105 Resp: 119126

Ion Ratio Lower Upper

105 100

120 46.3 37.9 56.9



#74

1,2,4-Trimethylbenzene

Concen: 0.492 ppbv

RT: 16.108 min Scan# 4200

Delta R.T. -0.010 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Tgt Ion:105 Resp: 203687

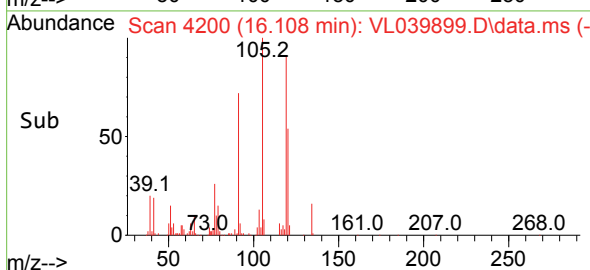
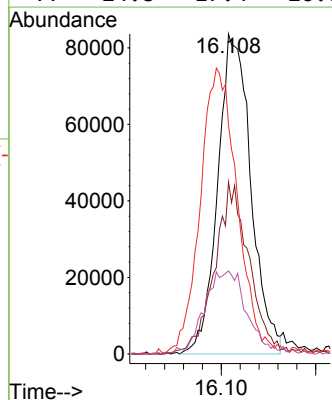
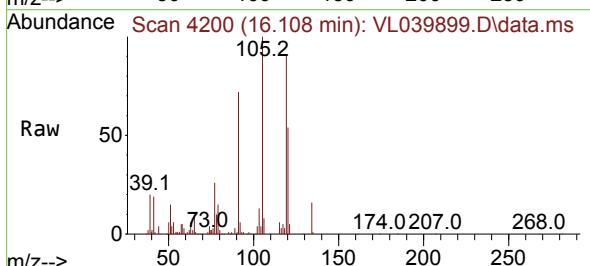
Ion Ratio Lower Upper

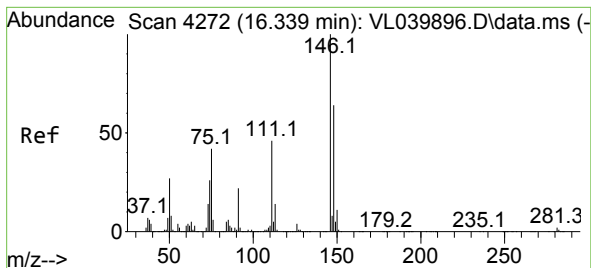
105 100

120 52.5 38.7 58.1

91 69.1 36.4 54.6#

77 24.8 17.4 26.0





#75

1,3-Dichlorobenzene

Concen: 0.462 ppbv

RT: 16.339 min Scan# 4272

Delta R.T. 0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

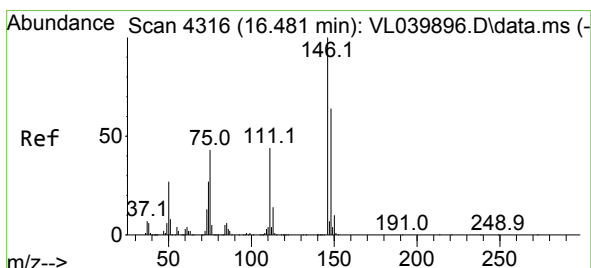
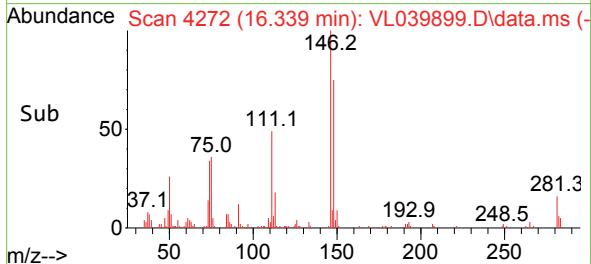
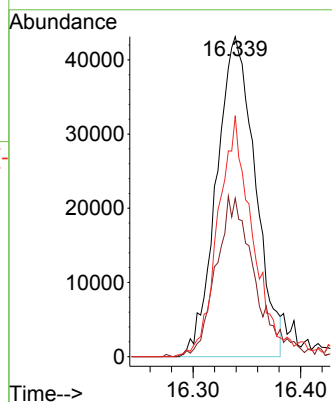
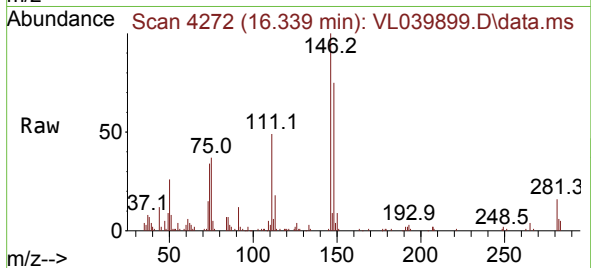
Tgt Ion:146 Resp: 107528

Ion Ratio Lower Upper

146 100

111 51.2 23.3 69.9

148 68.9 32.2 96.6



#76

1,4-Dichlorobenzene

Concen: 0.243 ppbv

RT: 16.484 min Scan# 4317

Delta R.T. 0.003 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

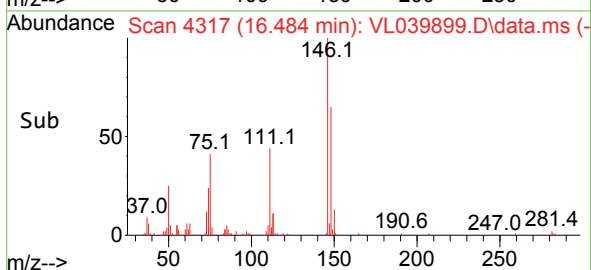
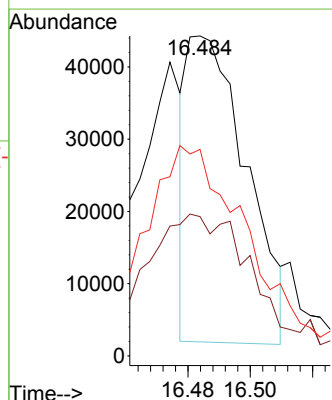
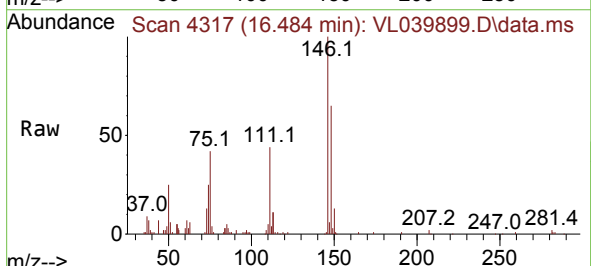
Tgt Ion:146 Resp: 55967

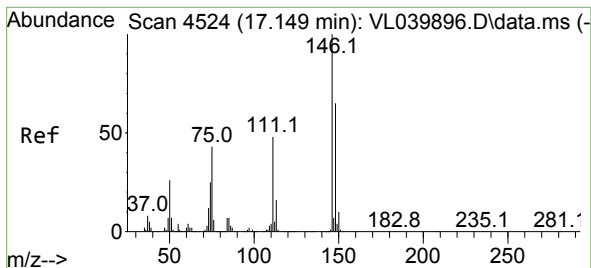
Ion Ratio Lower Upper

146 100

111 95.6 22.4 67.3#

148 126.0 32.3 96.9#





#77

1,2-Dichlorobenzene

Concen: 0.359 ppbv

RT: 17.149 min Scan# 4524

Delta R.T. -0.000 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

Instrument :

MSVOA\_L

ClientSampleId :

VSTDICC0.5

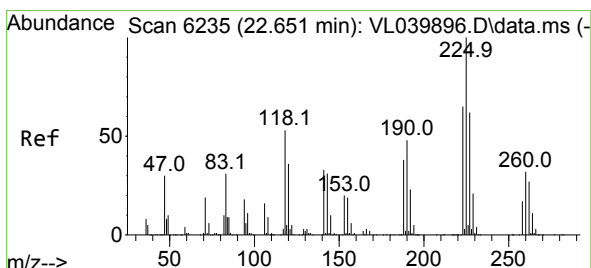
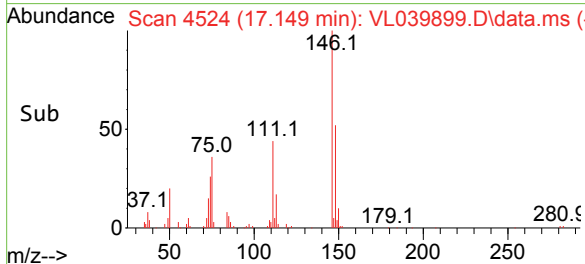
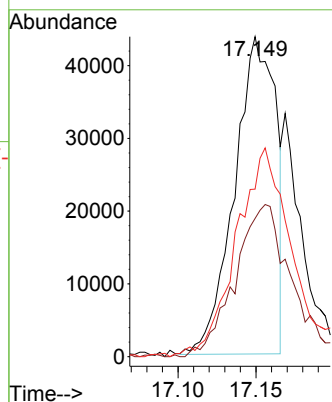
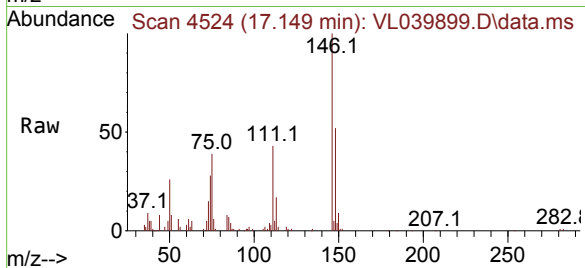
Tgt Ion:146 Resp: 80615

Ion Ratio Lower Upper

146 100

111 68.4 24.1 72.3

148 93.6 32.4 97.2



#78

Hexachloro-1,3-Butadiene

Concen: 0.155 ppbv

RT: 22.657 min Scan# 6237

Delta R.T. 0.006 min

Lab File: VL039899.D

Acq: 18 Nov 2022 10:40

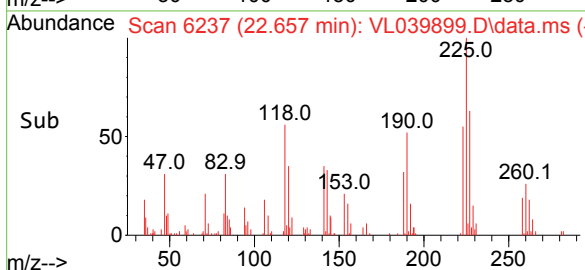
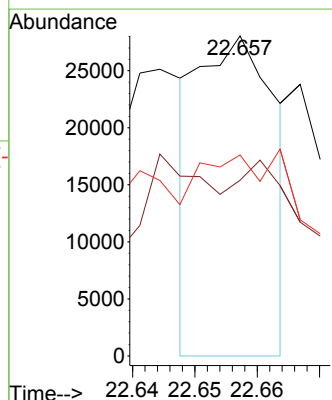
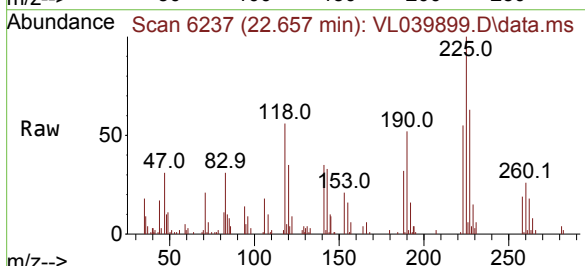
Tgt Ion:225 Resp: 24205

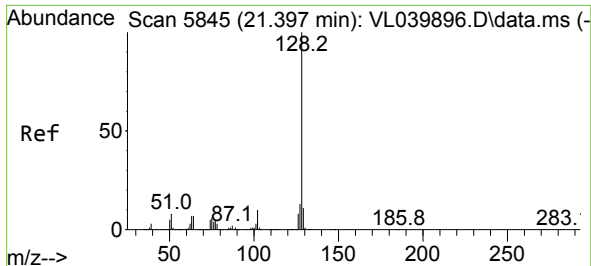
Ion Ratio Lower Upper

225 100

223 0.0 50.7 76.1#

227 0.0 50.8 76.2#

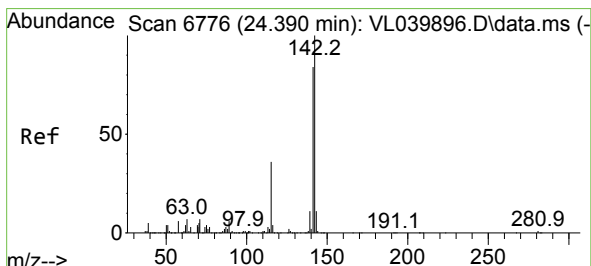
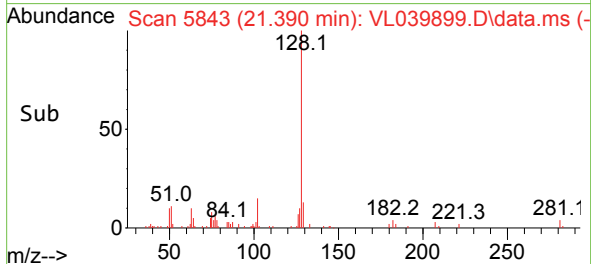
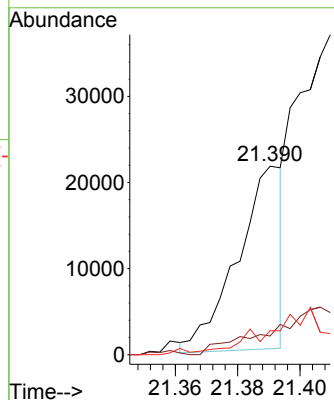
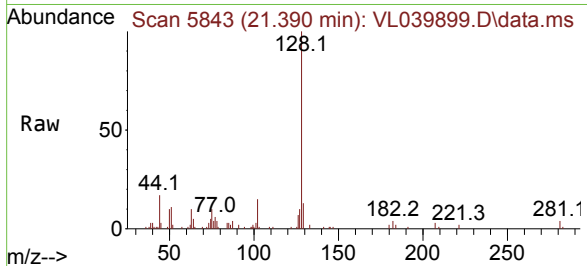




#79  
Naphthalene  
Concen: 0.087 ppbv  
RT: 21.390 min Scan# 51  
Delta R.T. -0.006 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

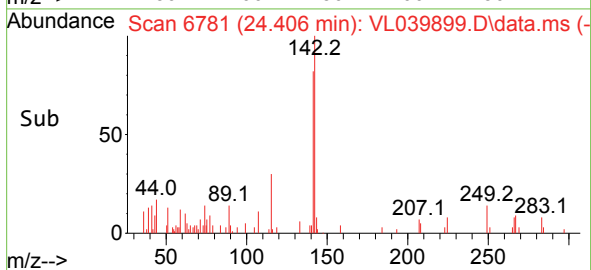
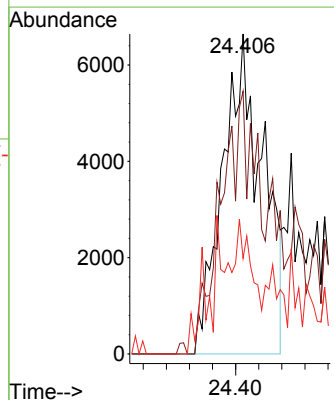
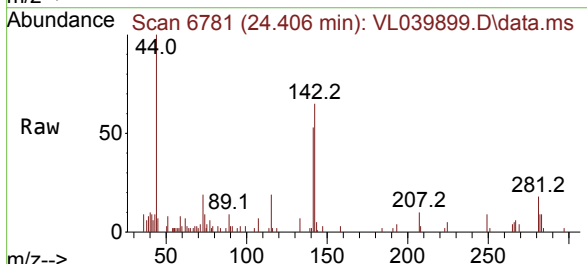
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.5

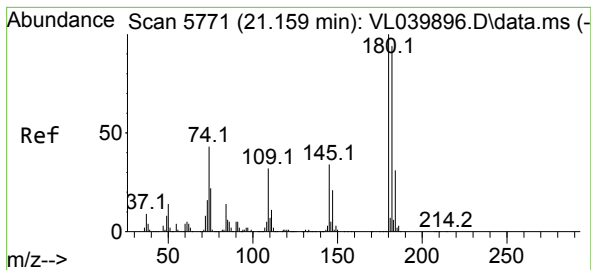
Tgt Ion:128 Resp: 21456  
Ion Ratio Lower Upper  
128 100  
127 9.6 10.0 15.0#  
129 10.1 8.8 13.2



#80  
Naphthalene,2-methyl-  
Concen: 0.229 ppbv  
RT: 24.406 min Scan# 6781  
Delta R.T. 0.016 min  
Lab File: VL039899.D  
Acq: 18 Nov 2022 10:40

Tgt Ion:142 Resp: 15928  
Ion Ratio Lower Upper  
142 100  
141 123.3 69.1 103.7#  
115 38.5 29.6 44.4





#81  
 1,2,4-Trichlorobenzene  
 Concen: 0.310 ppbv  
 RT: 21.165 min Scan# 51  
 Delta R.T. 0.006 min  
 Lab File: VL039899.D  
 Acq: 18 Nov 2022 10:40

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.5

Tgt Ion:180 Resp: 47339  
 Ion Ratio Lower Upper  
 180 100  
 182 145.0 77.0 115.6#  
 184 44.0 25.2 37.8#

