

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121922\  
 Data File : VL040026.D  
 Acq On : 19 Dec 2022 13:23  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Quant Time: Dec 20 04:24:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Dec 20 04:20:10 2022  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 5.176  | 49   | 994130   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 6.639  | 114  | 2852840  | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 11.455 | 117  | 2806120  | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 68) 1-Bromo-4-Fluorobenzene | 13.767 | 95    | 2109746  | 9.842    | ppbv | 0.00    |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 98.400% |

| Target Compounds              |       |     |         |        |        | Qvalue |
|-------------------------------|-------|-----|---------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 2.713 | 85  | 2033564 | 10.928 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 2.658 | 51  | 1804424 | 12.302 | ppbv   | 98     |
| 4) Chloromethane              | 2.796 | 50  | 1140772 | 12.412 | ppbv   | 100    |
| 5) Vinyl Chloride             | 2.902 | 62  | 994452  | 13.374 | ppbv   | 94     |
| 6) Bromomethane               | 3.102 | 94  | 352942  | 12.918 | ppbv   | 98     |
| 7) Chloroethane               | 3.179 | 64  | 372534  | 13.279 | ppbv   | 92     |
| 8) Dichlorotetrafluoroethane  | 2.838 | 85  | 2353941 | 12.023 | ppbv   | 99     |
| 9) Propene                    | 2.674 | 41  | 789277  | 12.680 | ppbv   | 100    |
| 10) Heptane                   | 7.565 | 43  | 1984266 | 13.086 | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 3.542 | 101 | 2598523 | 12.851 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 4.047 | 101 | 1950289 | 12.735 | ppbv   | 99     |
| 13) Ethanol                   | 3.224 | 45  | 49346   | 9.386  | ppbv   | 82     |
| 14) Bromoethene               | 3.349 | 108 | 786327  | 13.635 | ppbv   | 99     |
| 15) Acetone                   | 3.449 | 43  | 1763064 | 11.464 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 2.967 | 39  | 888158  | 13.286 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 3.861 | 59  | 1743530 | 11.581 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 3.864 | 96  | 864431  | 12.968 | ppbv   | 99     |
| 19) Isopropyl Alcohol         | 3.555 | 45  | 915954  | 12.086 | ppbv # | 97     |
| 20) Methylene Chloride        | 3.915 | 84  | 732357  | 11.203 | ppbv   | 97     |
| 21) Allyl Chloride            | 3.979 | 41  | 1248406 | 13.509 | ppbv   | 99     |
| 22) trans-1,2-Dichloroethene  | 4.426 | 96  | 941210  | 14.167 | ppbv   | 97     |
| 23) Vinyl Acetate             | 4.610 | 43  | 666419  | 13.664 | ppbv # | 99     |
| 24) 1,1-Dichloroethane        | 4.545 | 63  | 1841018 | 12.858 | ppbv   | 99     |
| 25) Ethyl Acetate             | 5.185 | 43  | 3339254 | 12.538 | ppbv   | 100    |
| 26) Hexane                    | 5.198 | 57  | 1426092 | 12.740 | ppbv   | 98     |
| 27) Carbon Disulfide          | 4.105 | 76  | 2203555 | 15.607 | ppbv   | 98     |
| 28) Methyl tert-Butyl Ether   | 4.568 | 73  | 1687466 | 12.791 | ppbv   | 99     |
| 29) Chloroform                | 5.259 | 83  | 2269929 | 13.288 | ppbv   | 100    |
| 30) Cyclohexane               | 6.587 | 84  | 1320756 | 13.323 | ppbv   | 97     |
| 31) cis-1,2-Dichloroethene    | 5.063 | 61  | 1430714 | 13.421 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 5.989 | 97  | 2605899 | 14.206 | ppbv   | 100    |
| 34) 2-Butanone                | 4.767 | 43  | 2016508 | 13.391 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 6.478 | 117 | 2711898 | 15.282 | ppbv   | 99     |
| 36) Benzene                   | 6.356 | 78  | 3343740 | 13.124 | ppbv   | 97     |
| 37) 1,2-Dichloroethane        | 5.790 | 62  | 2021356 | 13.524 | ppbv   | 98     |
| 38) Trichloroethene           | 7.275 | 130 | 1972843 | 14.986 | ppbv   | 97     |
| 39) 1,2-Dichloropropane       | 7.057 | 63  | 1275536 | 13.356 | ppbv   | 99     |
| 40) 1,4-Dioxane               | 7.269 | 88  | 535020  | 12.352 | ppbv   | 94     |
| 41) Tetrahydrofuran           | 5.539 | 42  | 1265467 | 13.529 | ppbv   | 99     |
| 42) Bromodichloromethane      | 7.237 | 83  | 2895313 | 14.167 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 7.458 | 69  | 1345800 | 14.075 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 7.314 | 57  | 5340760 | 12.733 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 8.700 | 75  | 1370851 | 16.965 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL121922\  
 Data File : VL040026.D  
 Acq On : 19 Dec 2022 13:23  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

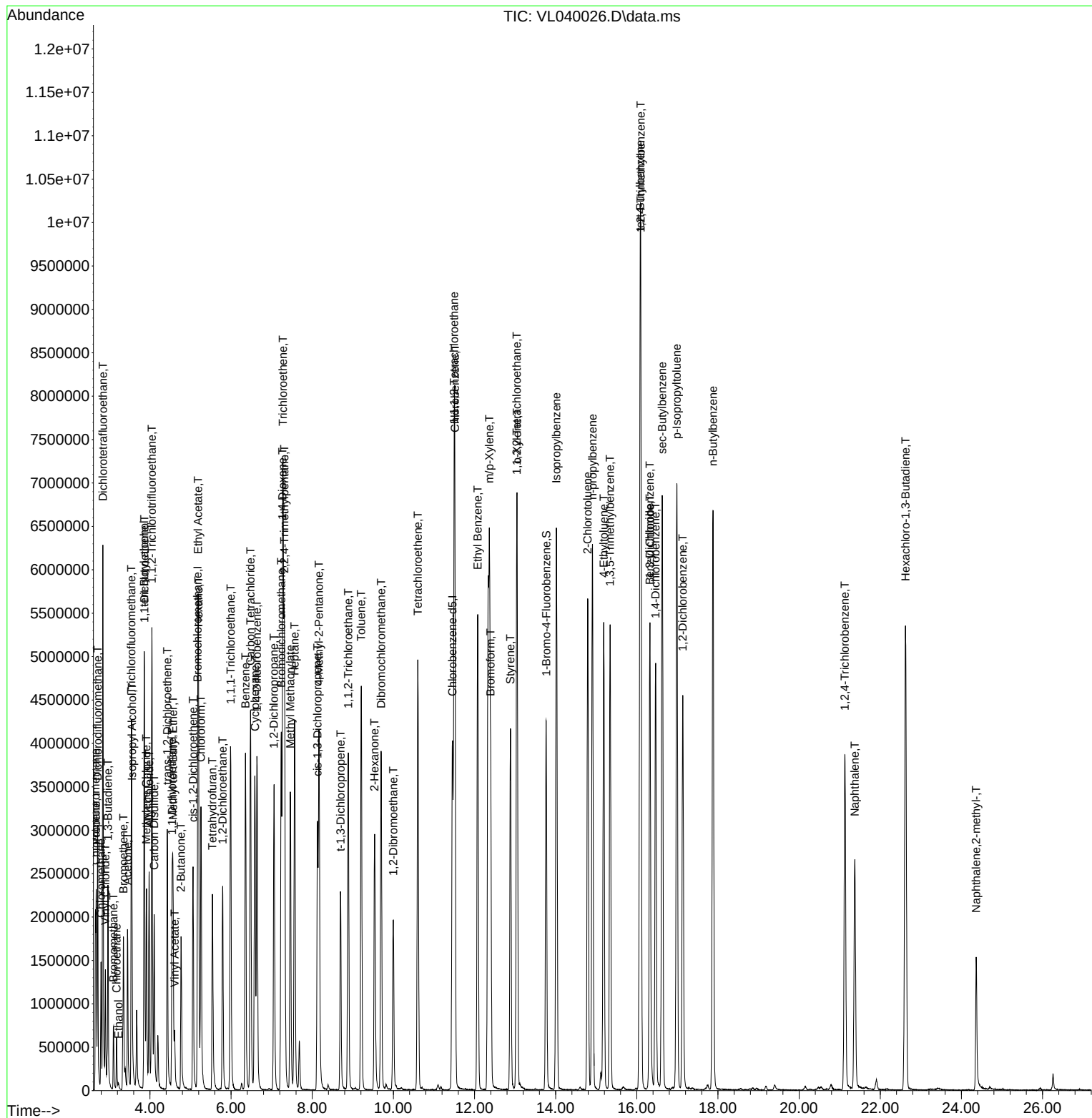
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

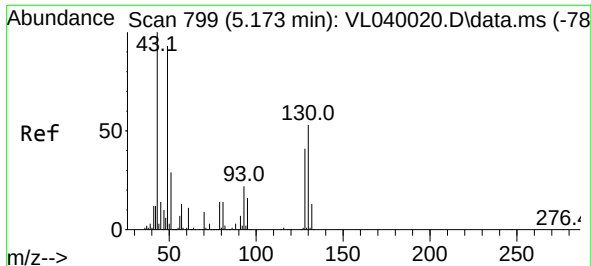
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Dec 20 04:20:10 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 8.130  | 75   | 1785858  | 15.667 | ppbv   | 99       |
| 47) 1,1,2-Trichloroethane     | 8.889  | 97   | 1412432  | 13.518 | ppbv   | 99       |
| 48) Dibromochloromethane      | 9.700  | 129  | 2401448  | 15.081 | ppbv   | 100      |
| 49) Bromoform                 | 12.397 | 173  | 1921834  | 15.841 | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 8.166  | 43   | 3380932  | 13.372 | ppbv   | 98       |
| 51) 2-Hexanone                | 9.536  | 43   | 2725346  | 13.901 | ppbv   | 100      |
| 52) Tetrachloroethene         | 10.603 | 164  | 1176522  | 13.493 | ppbv   | 96       |
| 53) Toluene                   | 9.208  | 91   | 3819380  | 13.539 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 9.999  | 107  | 1641217  | 14.671 | ppbv   | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 11.497 | 131  | 1698507  | 13.114 | ppbv   | 97       |
| 57) Chlorobenzene             | 11.516 | 112  | 2953723  | 12.400 | ppbv # | 95       |
| 58) Ethyl Benzene             | 12.079 | 91   | 5178070  | 12.988 | ppbv   | 96       |
| 59) m/p-Xylene                | 12.365 | 91   | 4595590  | 13.233 | ppbv # | 37       |
| 60) o-Xylene                  | 13.050 | 91   | 4220746  | 12.691 | ppbv   | 99       |
| 61) Styrene                   | 12.886 | 104  | 2563375  | 14.453 | ppbv   | 100      |
| 62) Isopropylbenzene          | 14.018 | 105  | 5902882  | 12.304 | ppbv   | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 13.040 | 83   | 1426818  | 11.659 | ppbv   | 99       |
| 64) n-propylbenzene           | 14.908 | 120  | 1564495  | 12.954 | ppbv   | 94       |
| 65) tert-Butylbenzene         | 16.082 | 119  | 5115476  | 12.280 | ppbv   | 100      |
| 66) Benzyl Chloride           | 16.320 | 91   | 391164   | 18.078 | ppbv   | 99       |
| 67) sec-Butylbenzene          | 16.628 | 105  | 7074755  | 12.109 | ppbv   | 99       |
| 69) p-Isopropyltoluene        | 16.985 | 119  | 5762279  | 12.347 | ppbv   | 100      |
| 70) n-Butylbenzene            | 17.879 | 91   | 5953526  | 12.210 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 14.789 | 91   | 4562137  | 12.464 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 15.185 | 105  | 4813034  | 13.027 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 15.339 | 105  | 4234983  | 12.670 | ppbv   | 97       |
| 74) 1,2,4-Trimethylbenzene    | 16.098 | 105  | 4523002  | 12.314 | ppbv   | 98       |
| 75) 1,3-Dichlorobenzene       | 16.323 | 146  | 2531101  | 12.620 | ppbv   | 99       |
| 76) 1,4-Dichlorobenzene       | 16.465 | 146  | 2515468  | 12.705 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 17.133 | 146  | 2397006  | 12.425 | ppbv   | 99       |
| 78) Hexachloro-1,3-Butadiene  | 22.622 | 225  | 1546274  | 11.593 | ppbv # | 100      |
| 79) Naphthalene               | 21.371 | 128  | 3322059  | 15.226 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 24.365 | 142  | 1039819  | 16.608 | ppbv   | 99       |
| 81) 1,2,4-Trichlorobenzene    | 21.127 | 180  | 1688749  | 13.069 | ppbv   | 100      |

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

Quant Time: Dec 20 04:24:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL121922AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Tue Dec 20 04:20:10 2022  
Response via : Initial Calibration

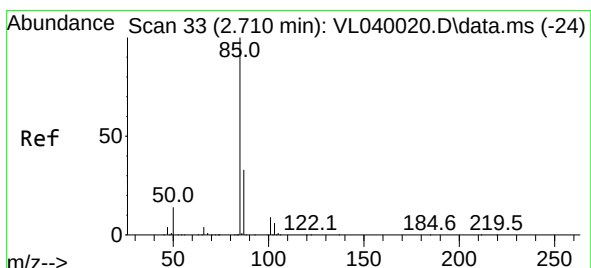
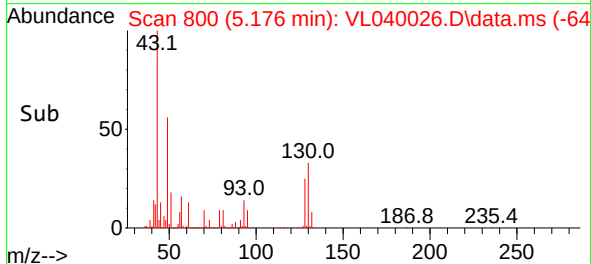
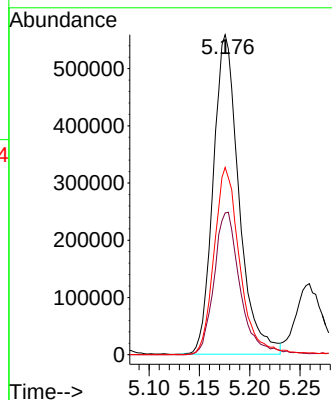
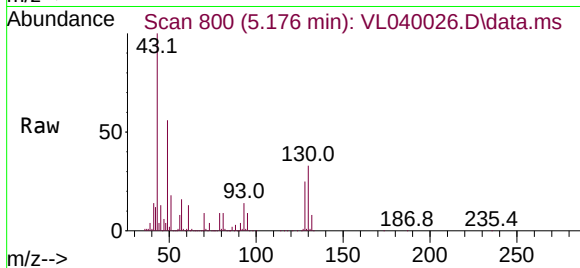




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 5.176 min Scan# 80  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

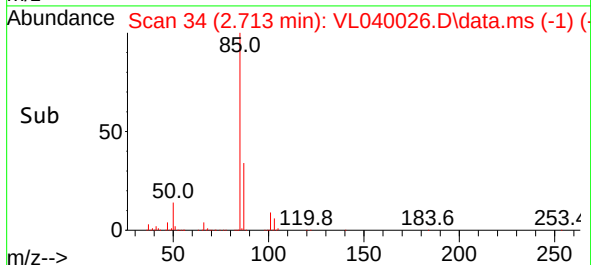
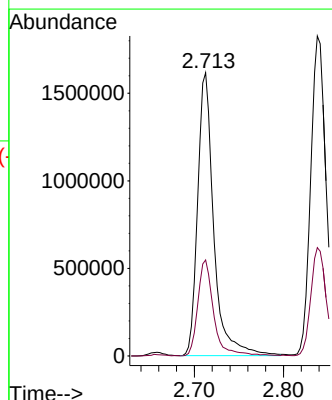
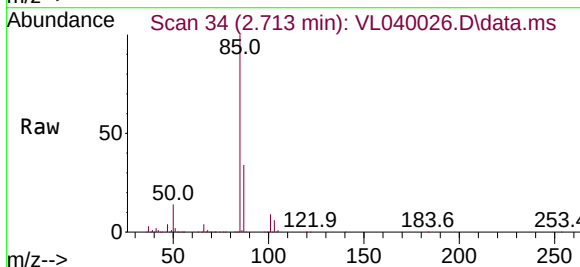
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

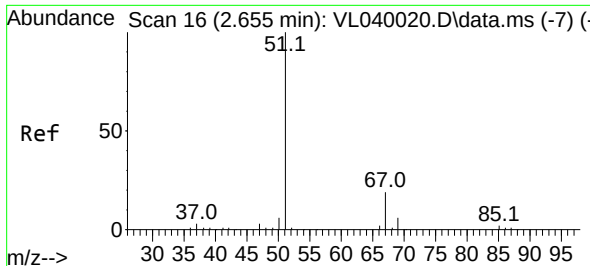
Tgt Ion: 49 Resp: 994130  
 Ion Ratio Lower Upper  
 49 100  
 128 45.8 22.4 67.3  
 130 59.3 28.9 86.8



#2  
 Dichlorodifluoromethane  
 Concen: 10.928 ppbv  
 RT: 2.713 min Scan# 34  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 85 Resp: 2033564  
 Ion Ratio Lower Upper  
 85 100  
 87 33.9 26.6 40.0

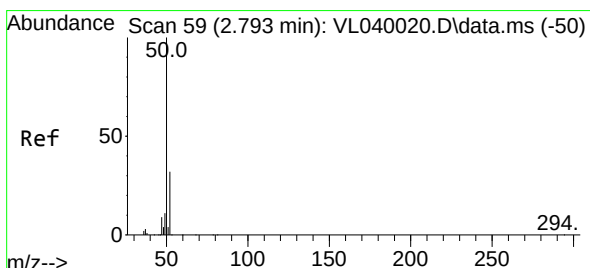
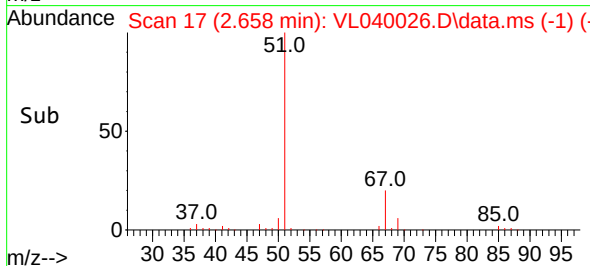
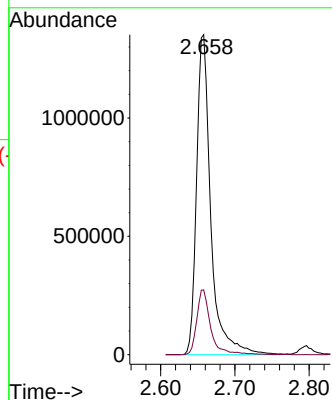
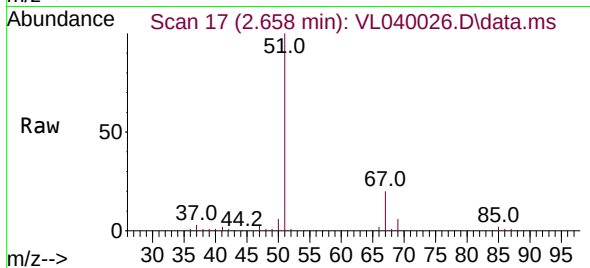




#3  
Chlorodifluoromethane  
Concen: 12.302 ppbv  
RT: 2.658 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

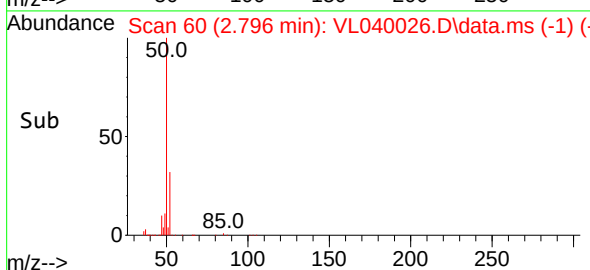
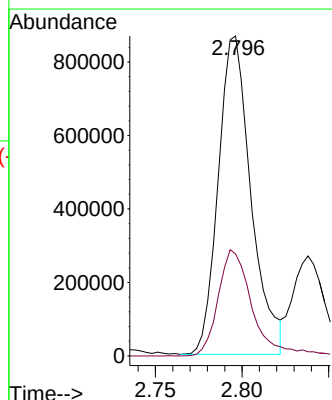
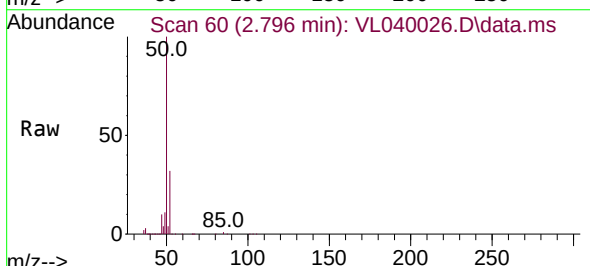
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

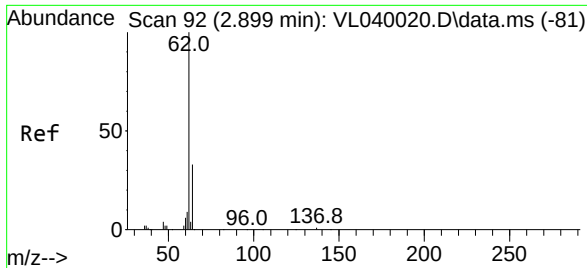
Tgt Ion: 51 Resp: 1804424  
Ion Ratio Lower Upper  
51 100  
67 19.9 15.3 22.9



#4  
Chloromethane  
Concen: 12.412 ppbv  
RT: 2.796 min Scan# 60  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 50 Resp: 1140772  
Ion Ratio Lower Upper  
50 100  
52 32.1 25.5 38.3

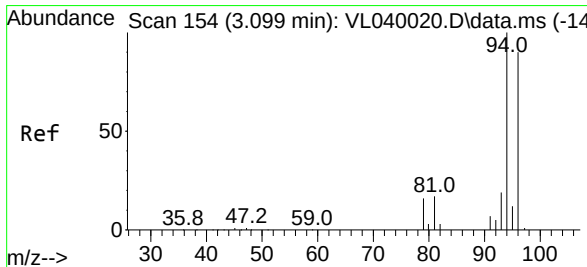
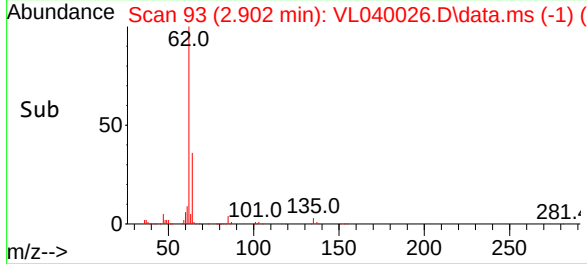
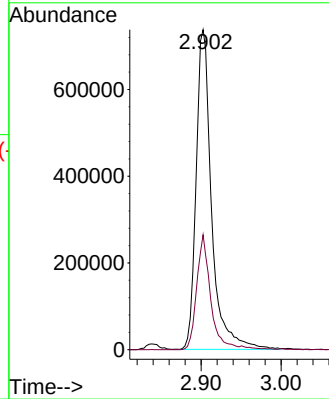
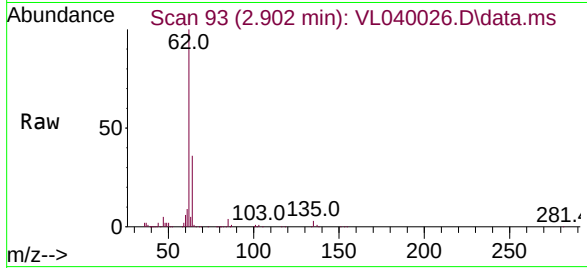




#5  
 Vinyl Chloride  
 Concen: 13.374 ppbv  
 RT: 2.902 min Scan# 91  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

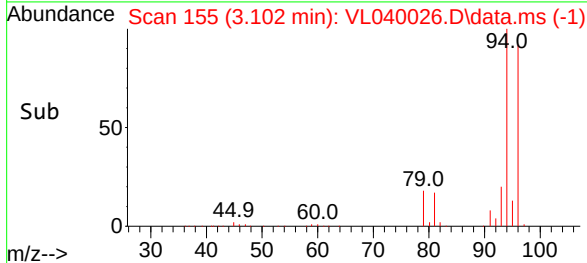
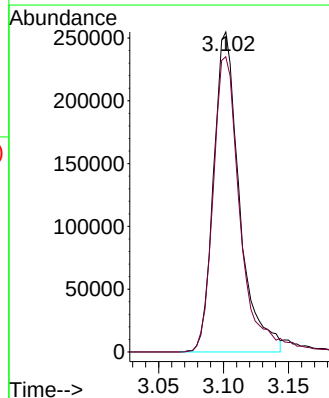
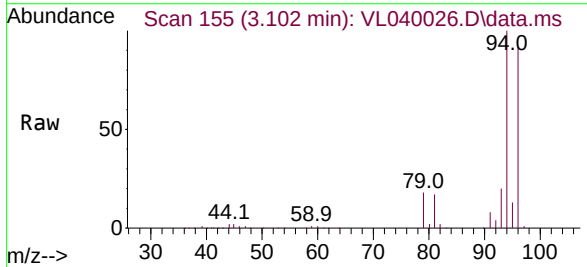
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

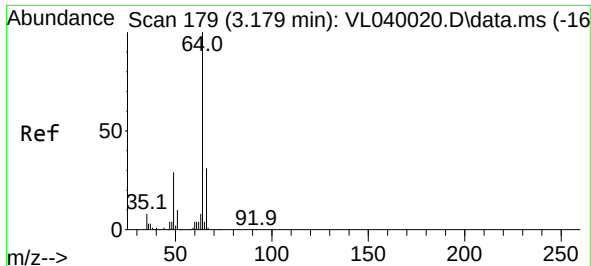
Tgt Ion: 62 Resp: 994452  
 Ion Ratio Lower Upper  
 62 100  
 64 35.9 26.1 39.1



#6  
 Bromomethane  
 Concen: 12.918 ppbv  
 RT: 3.102 min Scan# 155  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 94 Resp: 352942  
 Ion Ratio Lower Upper  
 94 100  
 96 92.2 72.0 108.0

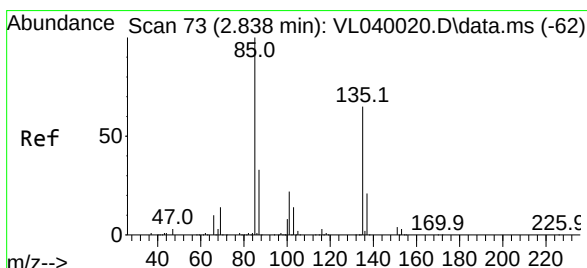
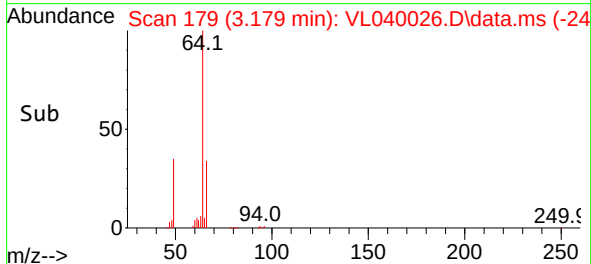
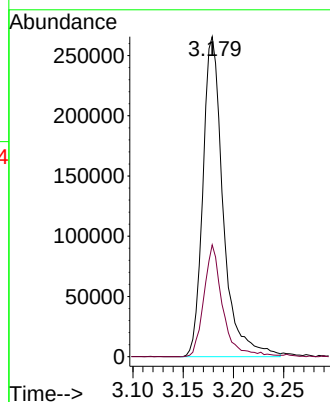
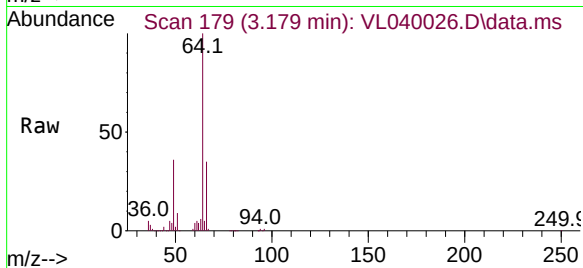




#7  
Chloroethane  
Concen: 13.279 ppbv  
RT: 3.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

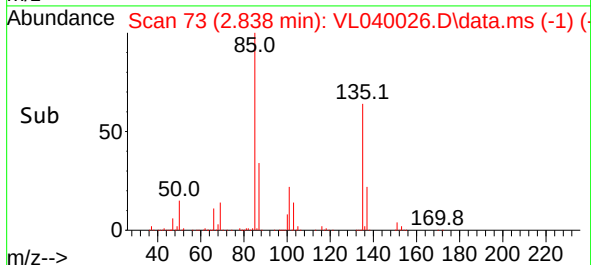
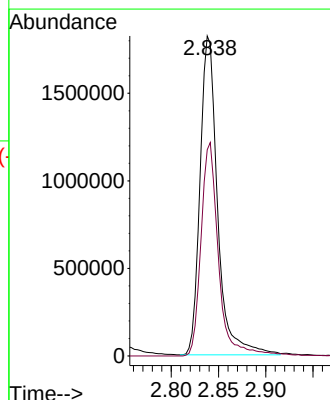
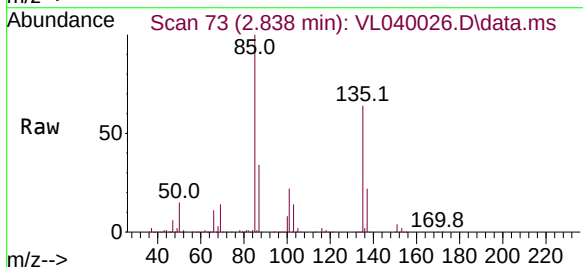
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

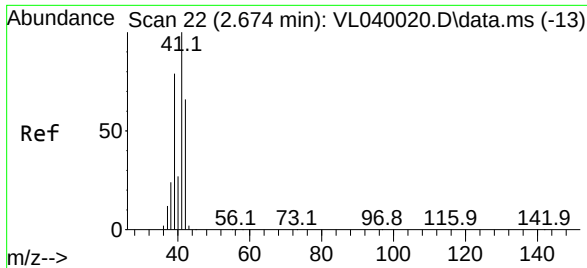
Tgt Ion: 64 Resp: 372534  
Ion Ratio Lower Upper  
64 100  
66 35.0 24.6 37.0



#8  
Dichlorotetrafluoroethane  
Concen: 12.023 ppbv  
RT: 2.838 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 85 Resp: 2353941  
Ion Ratio Lower Upper  
85 100  
135 67.1 53.2 79.8

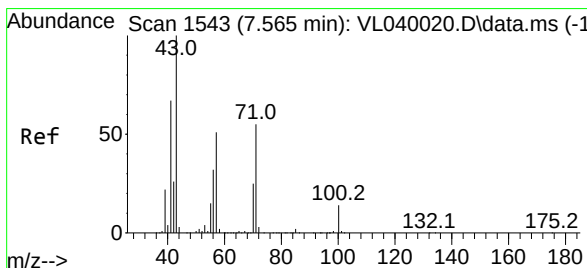
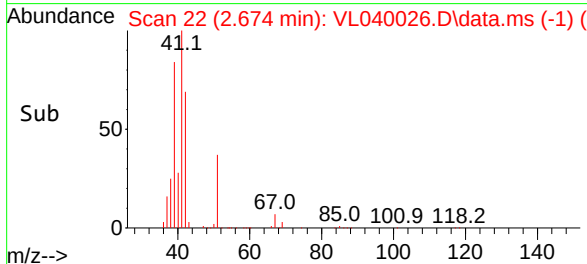
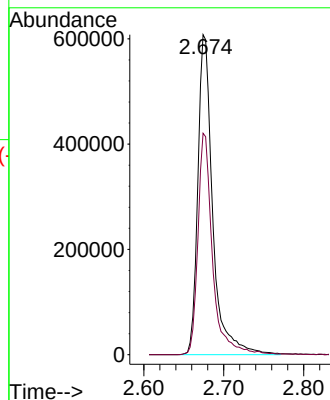
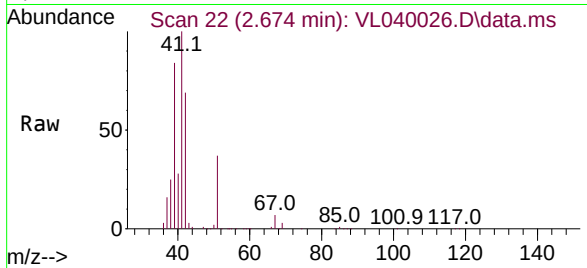




#9  
 Propene  
 Concen: 12.680 ppbv  
 RT: 2.674 min Scan# 21  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

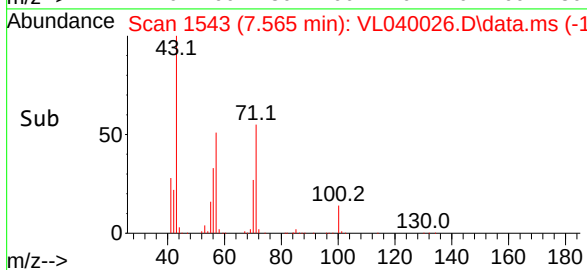
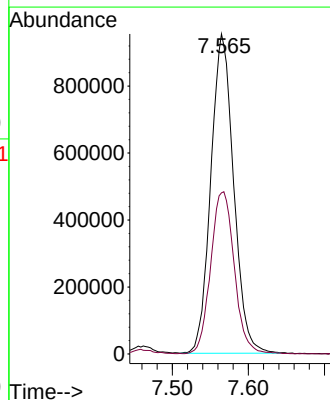
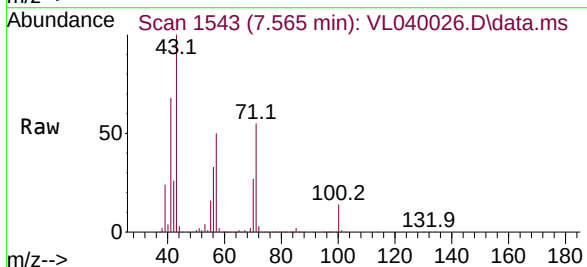
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 41 Resp: 789277  
 Ion Ratio Lower Upper  
 41 100  
 42 68.2 54.8 82.2

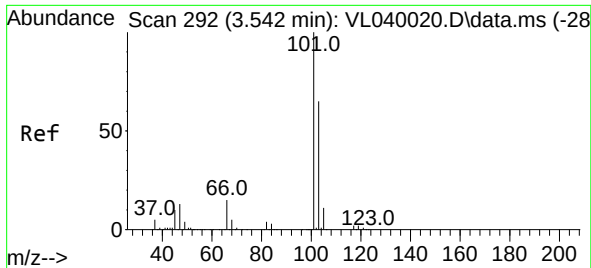


#10  
 Heptane  
 Concen: 13.086 ppbv  
 RT: 7.565 min Scan# 1543  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 43 Resp: 1984266  
 Ion Ratio Lower Upper  
 43 100  
 57 52.9 41.2 61.8



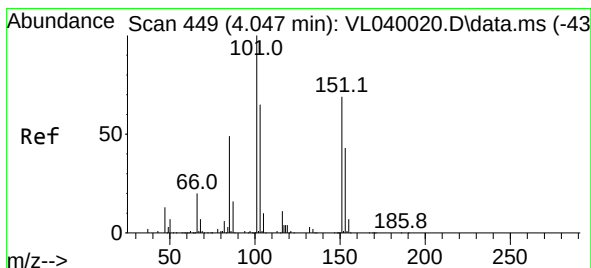
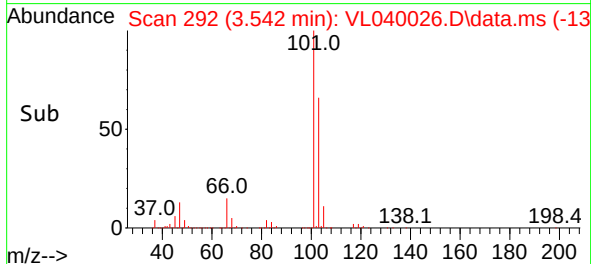
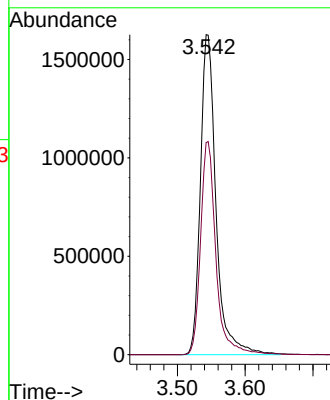
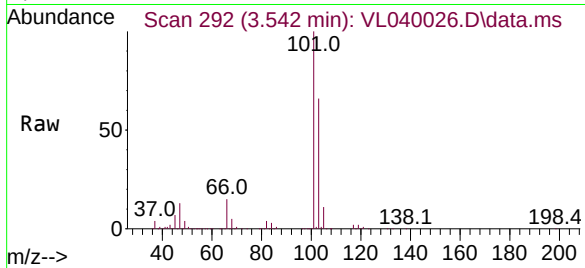




#11  
 Trichlorofluoromethane  
 Concen: 12.851 ppbv  
 RT: 3.542 min Scan# 292  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

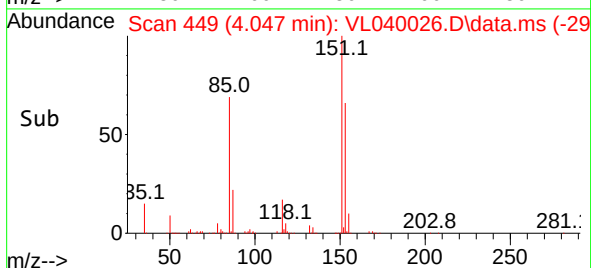
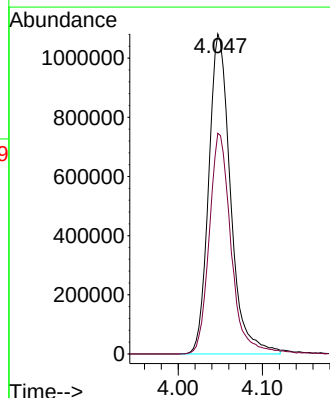
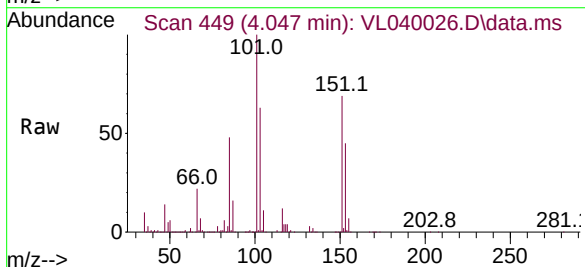
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

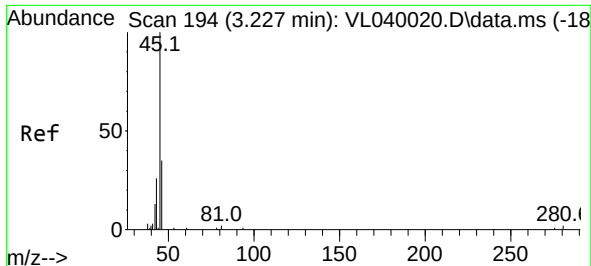
Tgt Ion:101 Resp: 2598523  
 Ion Ratio Lower Upper  
 101 100  
 103 66.3 51.7 77.5



#12  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 12.735 ppbv  
 RT: 4.047 min Scan# 449  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion:101 Resp: 1950289  
 Ion Ratio Lower Upper  
 101 100  
 151 69.3 55.0 82.4

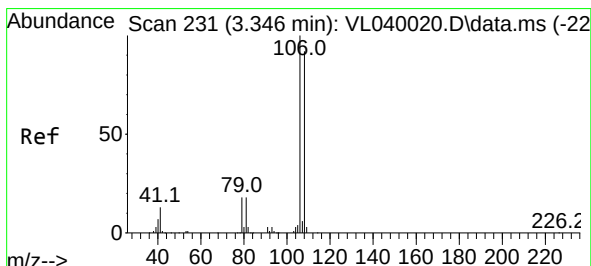
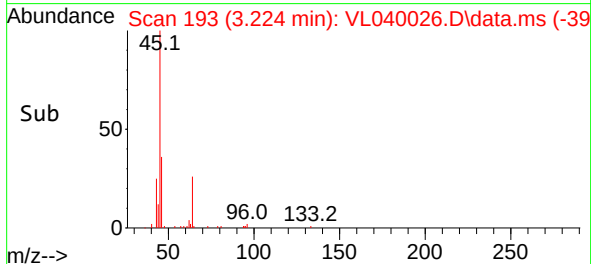
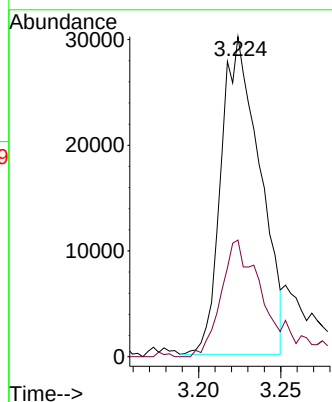
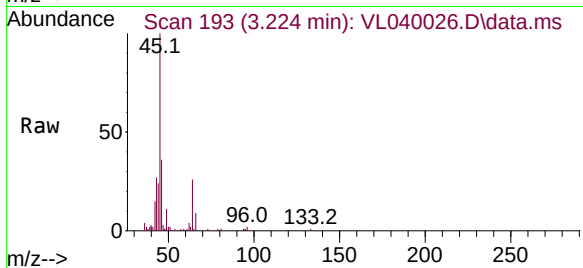




#13  
Ethanol  
Concen: 9.386 ppbv  
RT: 3.224 min Scan# 194  
Delta R.T. -0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

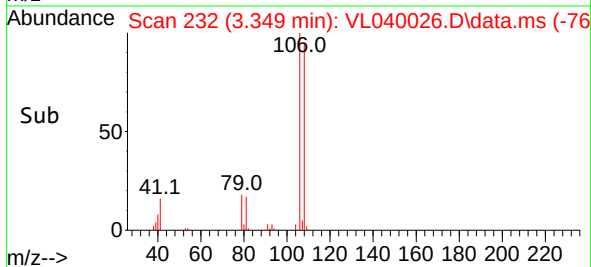
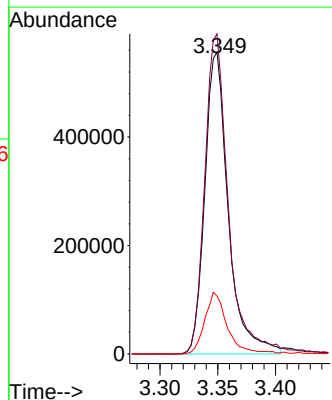
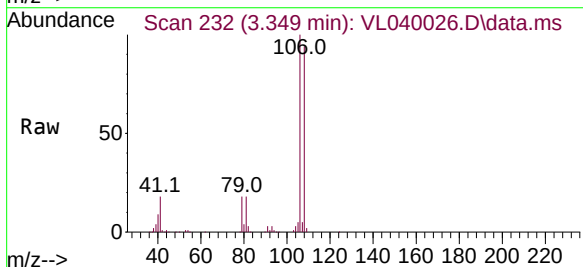
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

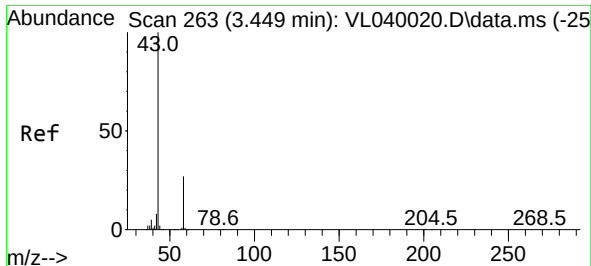
Tgt Ion: 45 Resp: 49346  
Ion Ratio Lower Upper  
45 100  
46 44.4 13.7 54.7



#14  
Bromoethene  
Concen: 13.635 ppbv  
RT: 3.349 min Scan# 232  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion:108 Resp: 786327  
Ion Ratio Lower Upper  
108 100  
106 108.3 87.5 131.3  
79 20.1 15.8 23.8

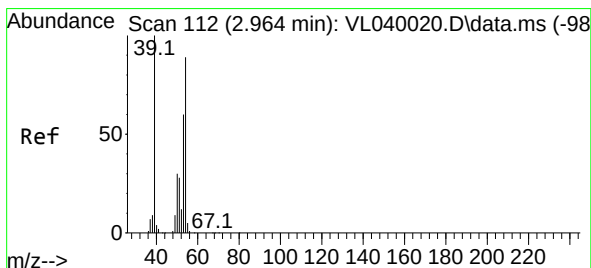
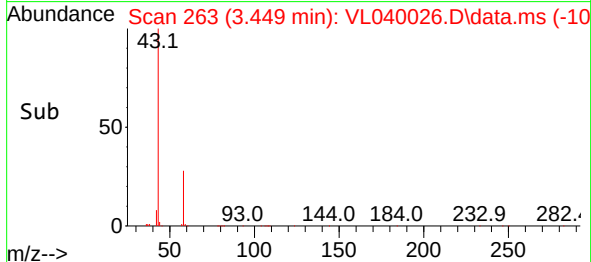
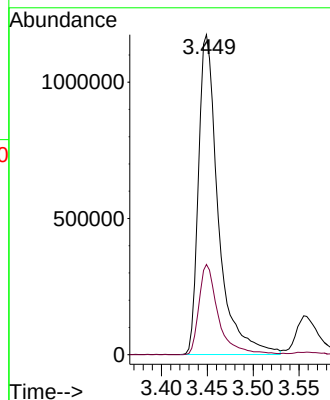
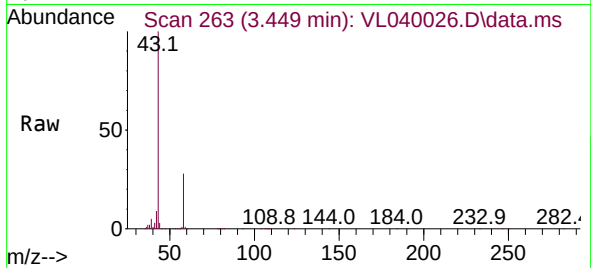




#15  
Acetone  
Concen: 11.464 ppbv  
RT: 3.449 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

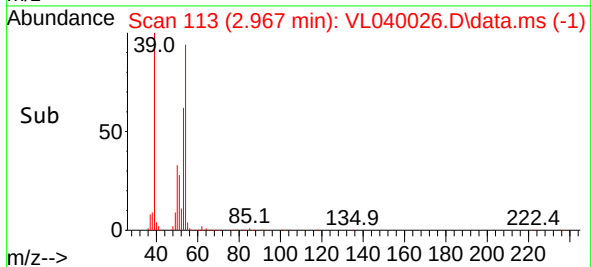
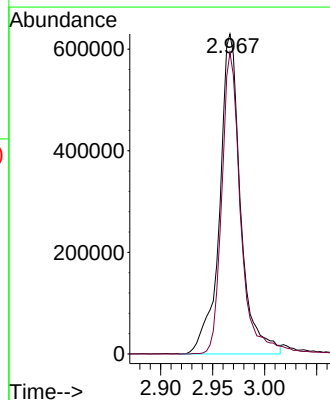
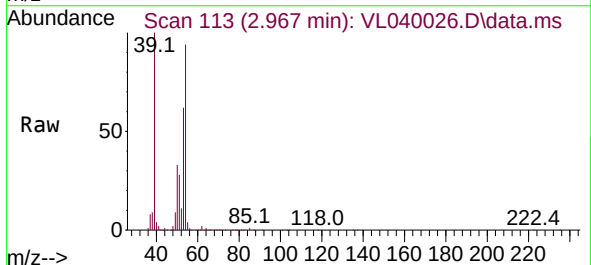
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

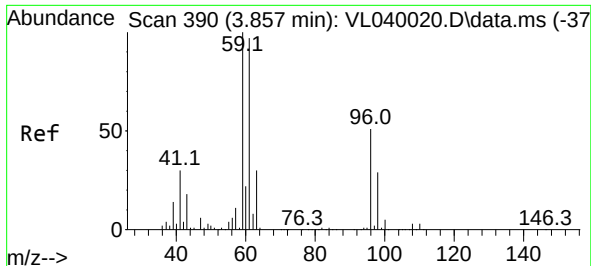
Tgt Ion: 43 Resp: 1763064  
Ion Ratio Lower Upper  
43 100  
58 27.6 21.8 32.8



#16  
1,3-Butadiene  
Concen: 13.286 ppbv  
RT: 2.967 min Scan# 113  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 39 Resp: 888158  
Ion Ratio Lower Upper  
39 100  
54 85.9 68.3 102.5





#17

tert-Butyl alcohol

Concen: 11.581 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

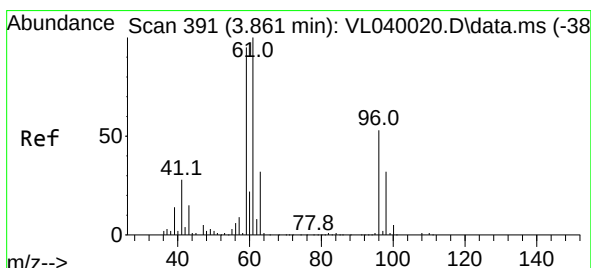
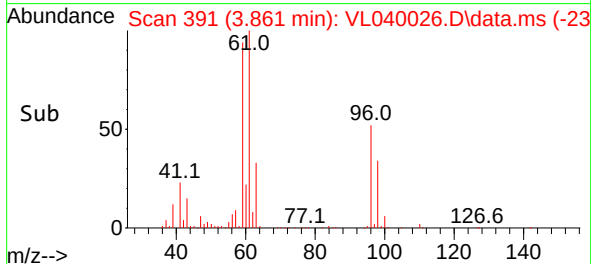
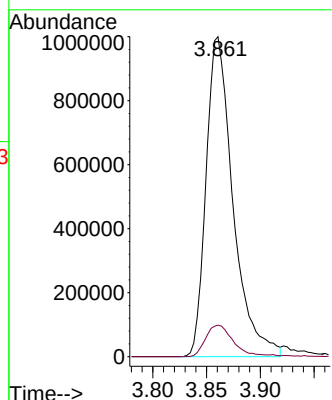
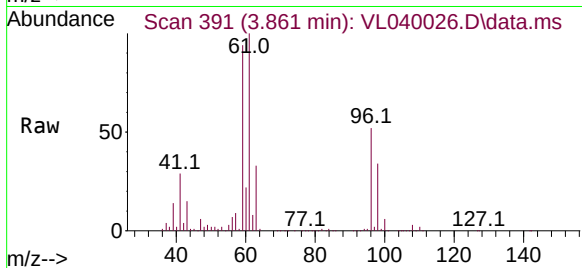
VSTDIC015

Tgt Ion: 59 Resp: 1743530

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



#18

1,1-Dichloroethene

Concen: 12.968 ppbv

RT: 3.864 min Scan# 392

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

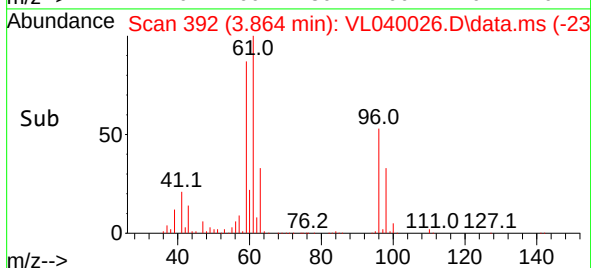
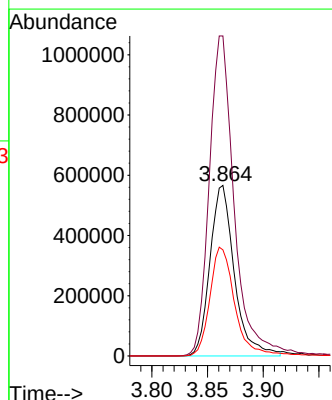
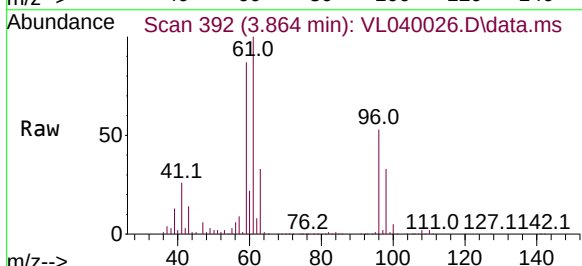
Tgt Ion: 96 Resp: 864431

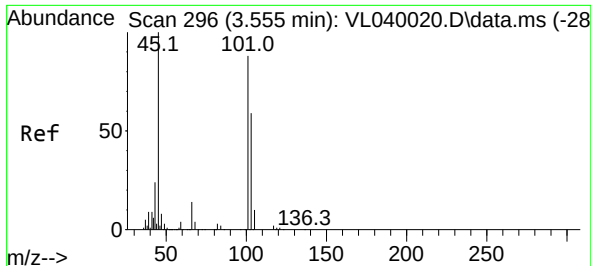
Ion Ratio Lower Upper

96 100

61 187.5 151.0 226.6

98 62.1 47.7 71.5

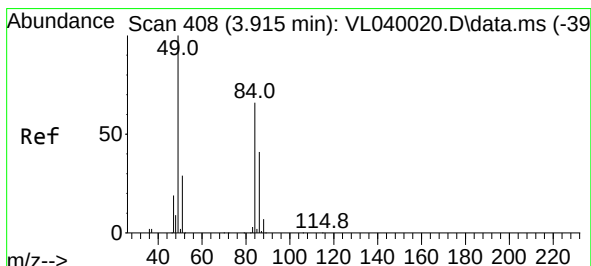
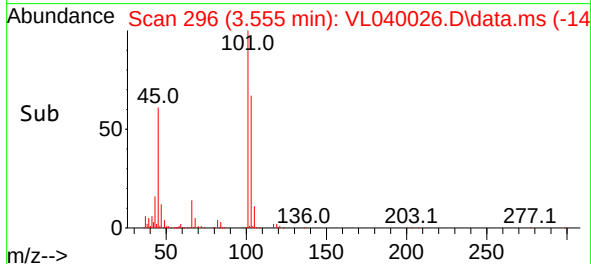
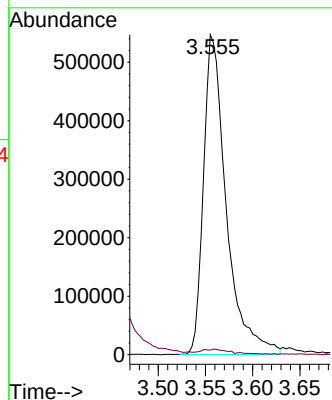
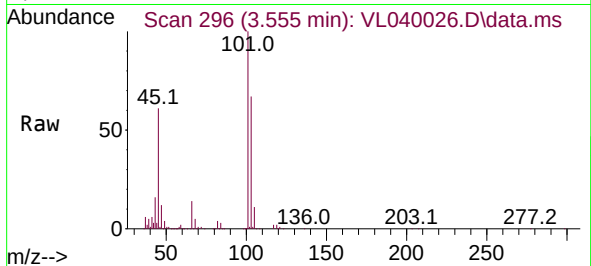




#19  
Isopropyl Alcohol  
Concen: 12.086 ppbv  
RT: 3.555 min Scan# 296  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

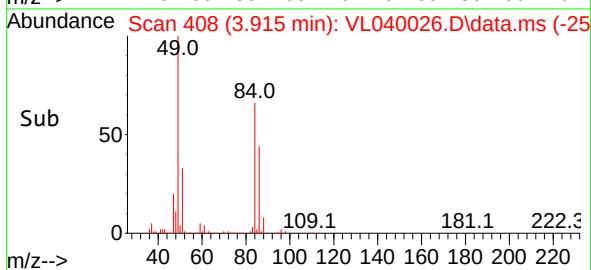
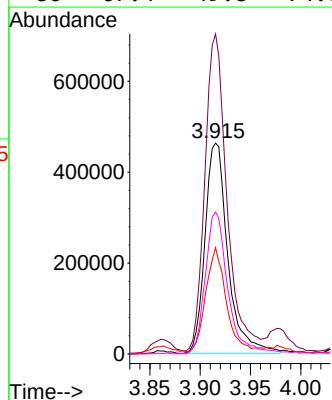
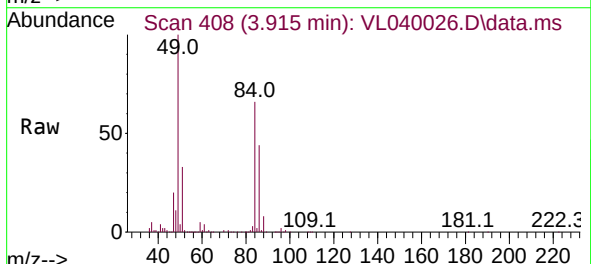
Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

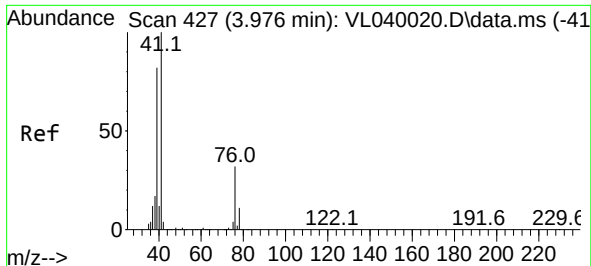
Tgt Ion: 45 Resp: 915954  
Ion Ratio Lower Upper  
45 100  
58 3.1 1.7 2.5#



#20  
Methylene Chloride  
Concen: 11.203 ppbv  
RT: 3.915 min Scan# 408  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 84 Resp: 732357  
Ion Ratio Lower Upper  
84 100  
49 150.3 120.5 180.7  
51 49.3 35.2 52.8  
86 67.4 49.8 74.6

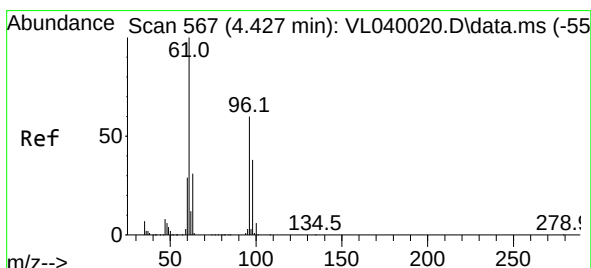
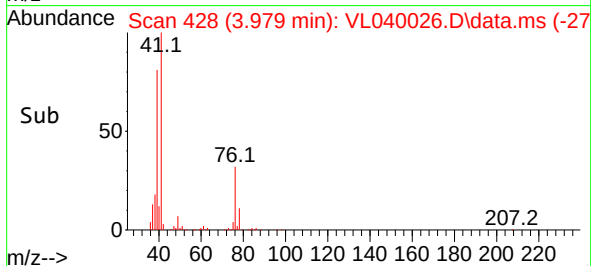
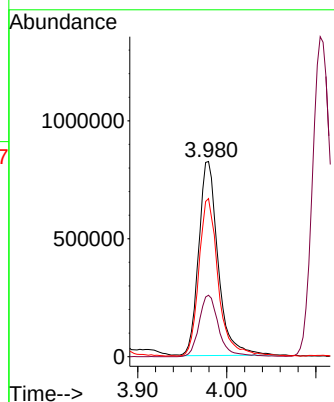
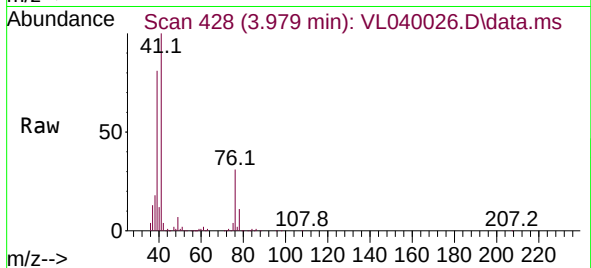




#21  
 Allyl Chloride  
 Concen: 13.509 ppbv  
 RT: 3.979 min Scan# 41  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

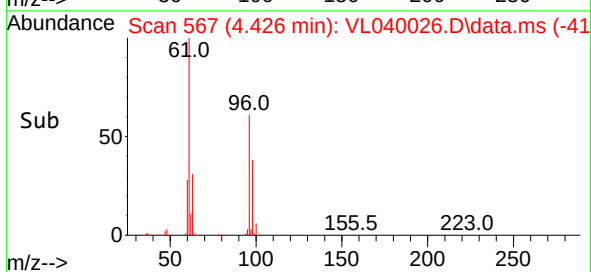
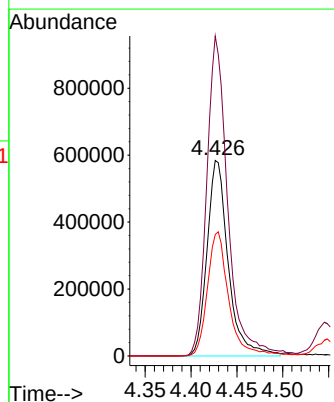
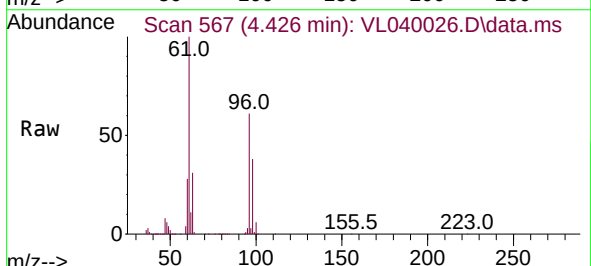
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

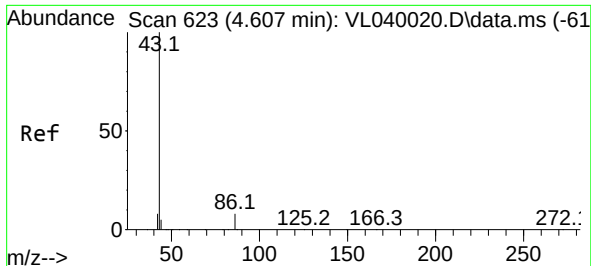
Tgt Ion: 41 Resp: 1248406  
 Ion Ratio Lower Upper  
 41 100  
 76 32.2 25.9 38.9  
 39 81.8 66.0 99.0



#22  
 trans-1,2-Dichloroethene  
 Concen: 14.167 ppbv  
 RT: 4.426 min Scan# 567  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 96 Resp: 941210  
 Ion Ratio Lower Upper  
 96 100  
 61 163.7 133.6 200.4  
 98 62.1 51.4 77.0

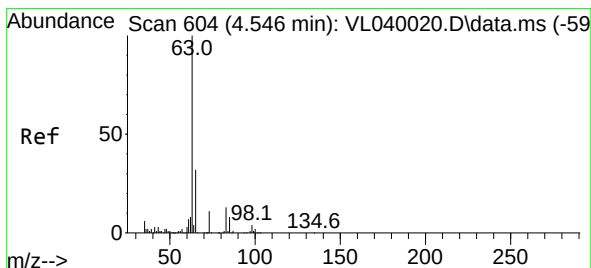
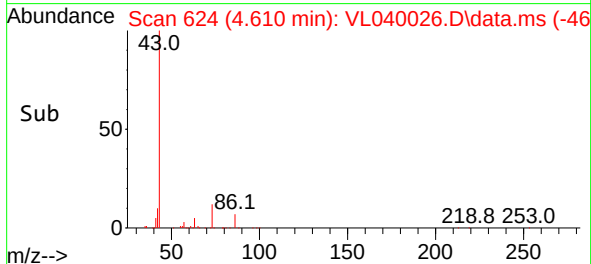
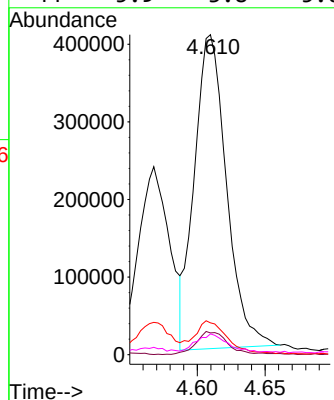
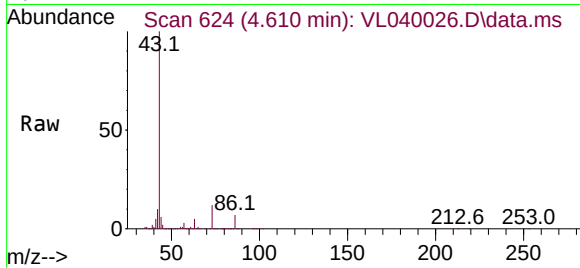




#23  
 Vinyl Acetate  
 Concen: 13.664 ppbv  
 RT: 4.610 min Scan# 61  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

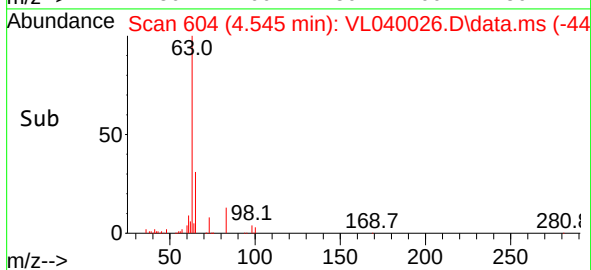
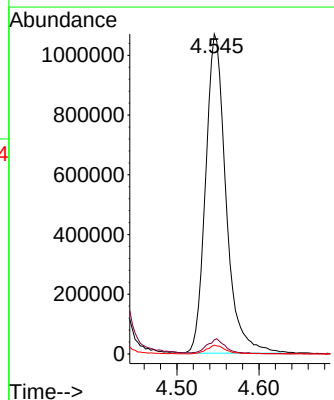
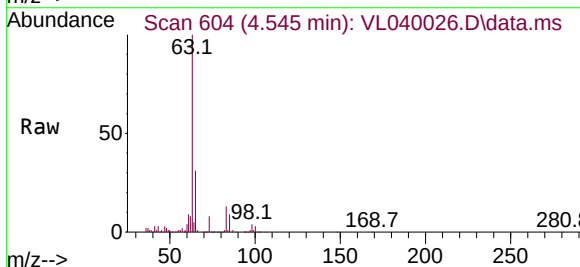
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC015

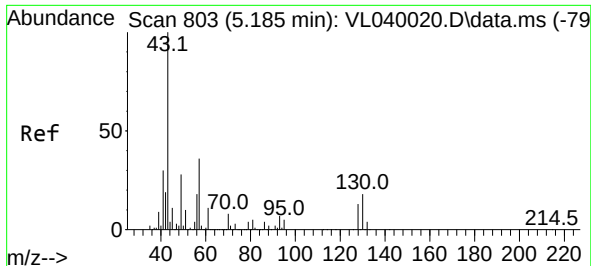
Tgt Ion: 43 Resp: 666419  
 Ion Ratio Lower Upper  
 43 100  
 86 6.6 5.3 7.9  
 42 9.5 7.4 11.0  
 44 5.9 3.8 5.6#



#24  
 1,1-Dichloroethane  
 Concen: 12.858 ppbv  
 RT: 4.545 min Scan# 604  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 63 Resp: 1841018  
 Ion Ratio Lower Upper  
 63 100  
 98 4.3 2.1 6.2  
 100 2.7 1.1 3.3



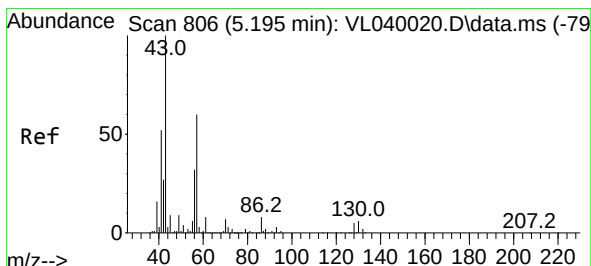
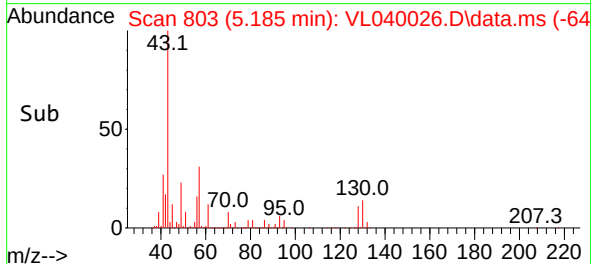
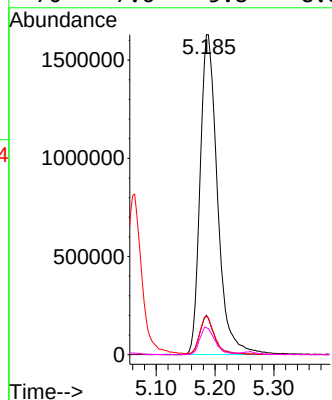
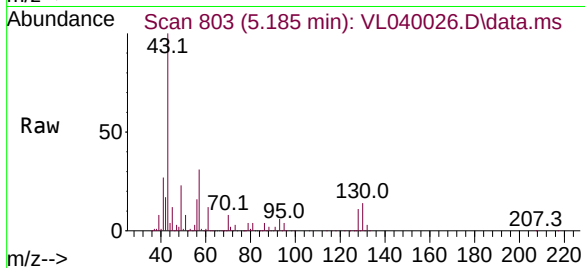


#25  
Ethyl Acetate  
Concen: 12.538 ppbv  
RT: 5.185 min Scan# 803  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 43 Resp: 3339254

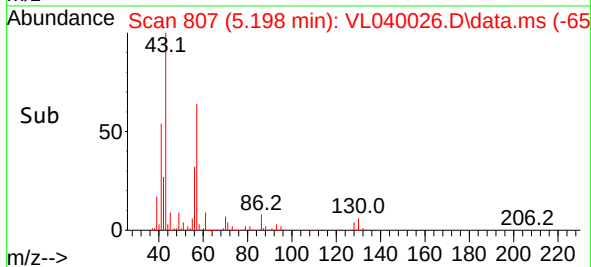
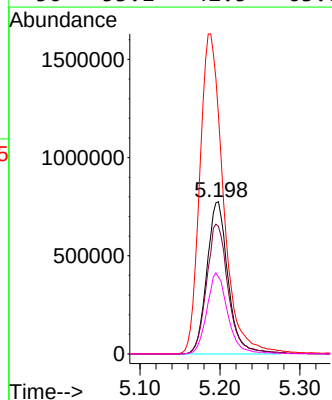
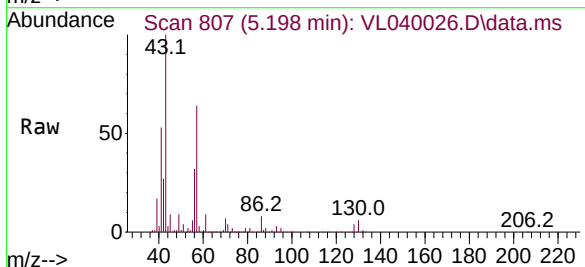
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 10.6  | 8.6   | 12.8  |
| 61  | 10.7  | 8.5   | 12.7  |
| 70  | 7.6   | 5.8   | 8.8   |



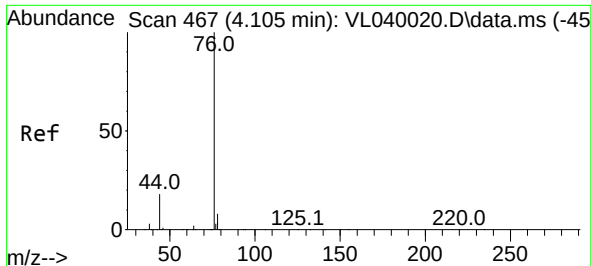
#26  
Hexane  
Concen: 12.740 ppbv  
RT: 5.198 min Scan# 807  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 57 Resp: 1426092

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 57  | 100   |       |       |
| 41  | 88.9  | 72.1  | 108.1 |
| 43  | 235.0 | 192.1 | 288.1 |
| 56  | 53.1  | 42.5  | 63.7  |





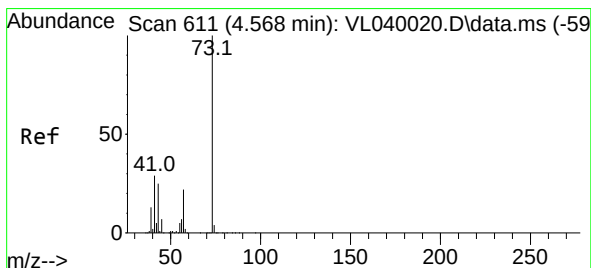
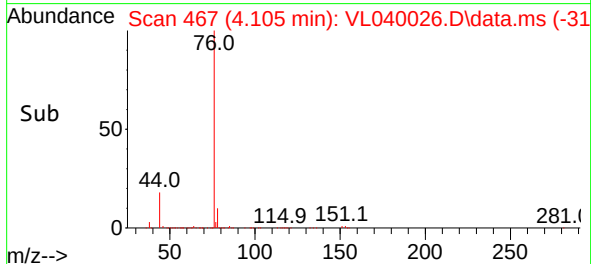
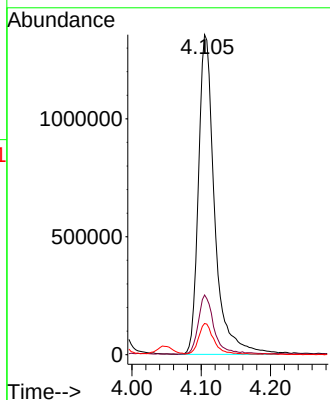
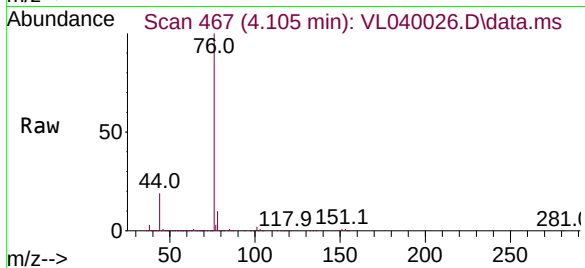


#27  
Carbon Disulfide  
Concen: 15.607 ppbv  
RT: 4.105 min Scan# 467  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion: 76 Resp: 2203555

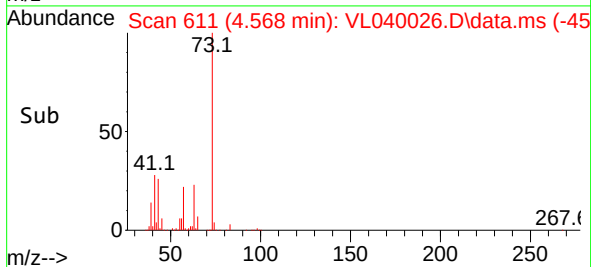
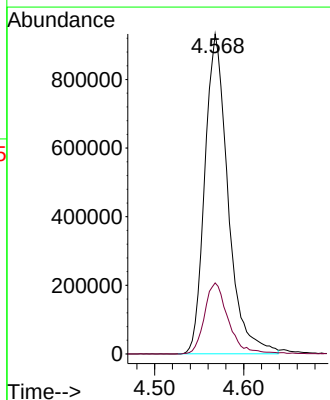
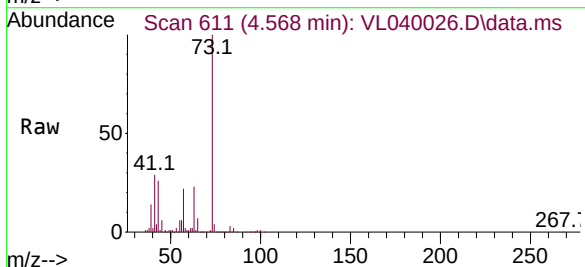
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 44  | 18.0  | 15.3  | 22.9  |
| 78  | 9.4   | 7.8   | 11.6  |

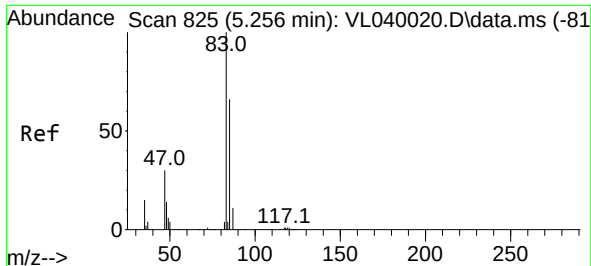


#28  
Methyl tert-Butyl Ether  
Concen: 12.791 ppbv  
RT: 4.568 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 73 Resp: 1687466

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 57  | 23.1  | 18.6  | 28.0  |

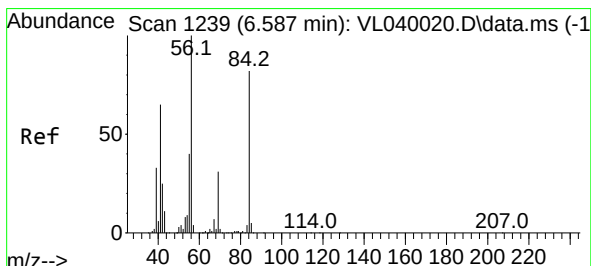
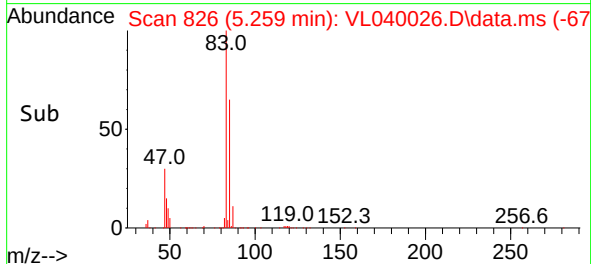
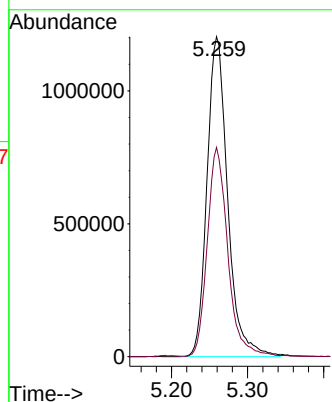
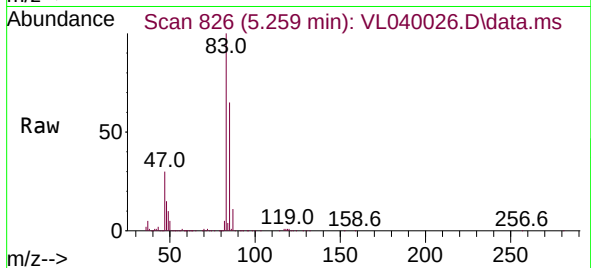




#29  
Chloroform  
Concen: 13.288 ppbv  
RT: 5.259 min Scan# 81  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

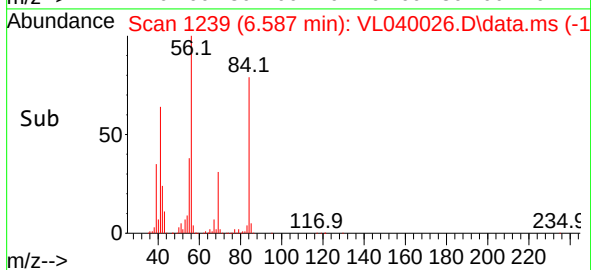
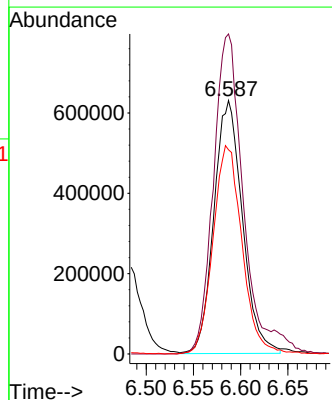
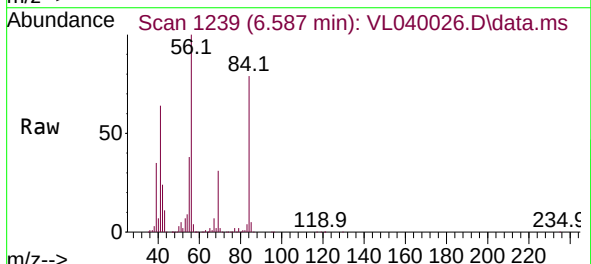
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

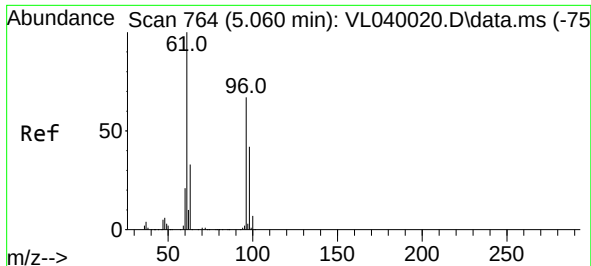
Tgt Ion: 83 Resp: 2269929  
Ion Ratio Lower Upper  
83 100  
85 65.3 52.4 78.6



#30  
Cyclohexane  
Concen: 13.323 ppbv  
RT: 6.587 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 84 Resp: 1320756  
Ion Ratio Lower Upper  
84 100  
56 133.8 110.2 165.4  
41 83.5 67.8 101.8



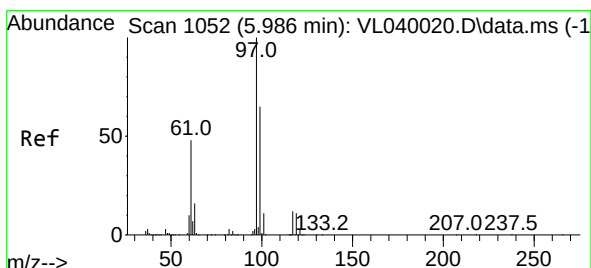
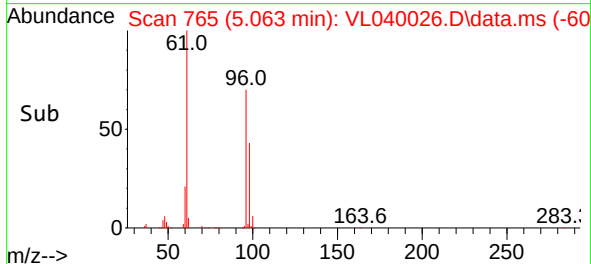
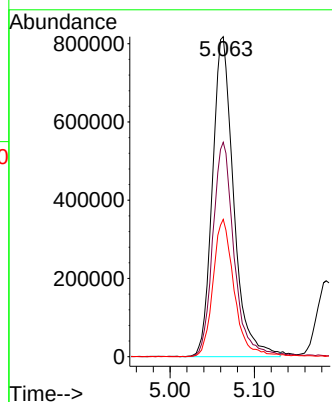
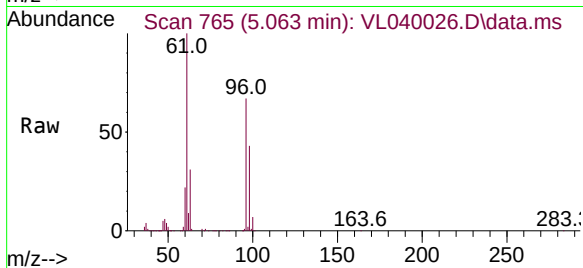


#31  
 cis-1,2-Dichloroethene  
 Concen: 13.421 ppbv  
 RT: 5.063 min Scan# 764  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion: 61 Resp: 1430714

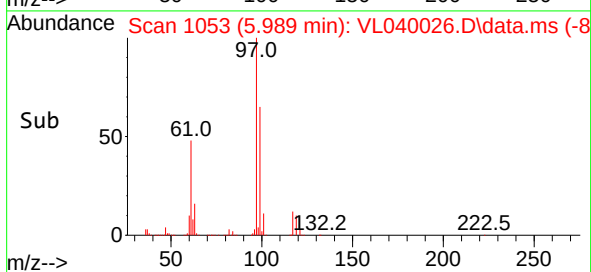
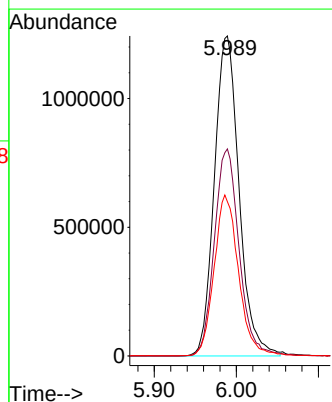
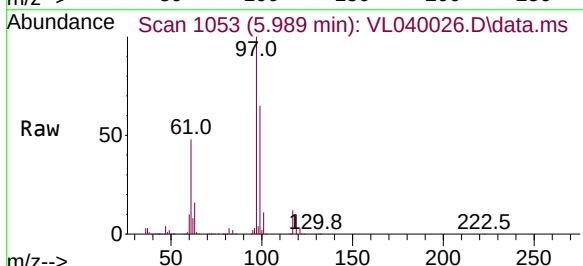
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 61  | 100   |       |       |
| 96  | 67.0  | 53.4  | 80.2  |
| 98  | 42.8  | 33.4  | 50.0  |

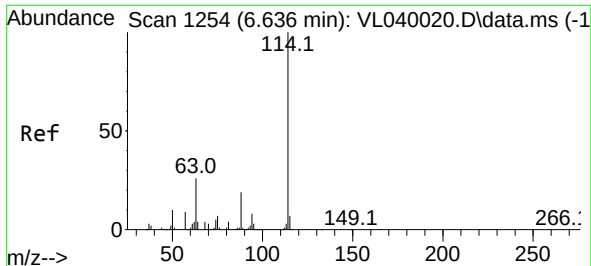


#32  
 1,1,1-Trichloroethane  
 Concen: 14.206 ppbv  
 RT: 5.989 min Scan# 1053  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 97 Resp: 2605899

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 65.0  | 51.8  | 77.6  |
| 61  | 50.1  | 39.8  | 59.6  |





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.639 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC015

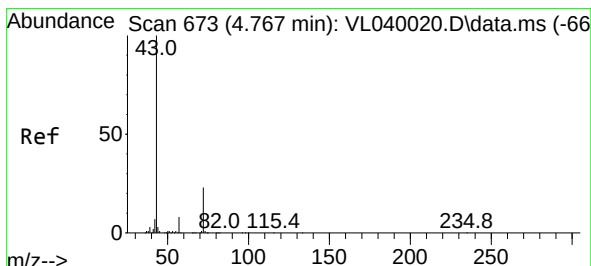
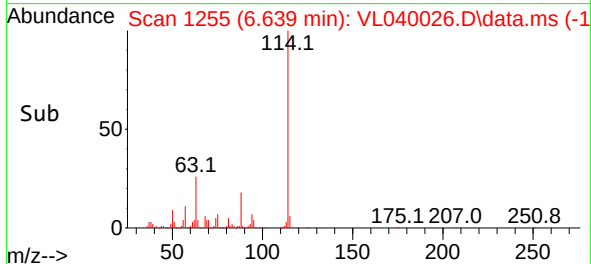
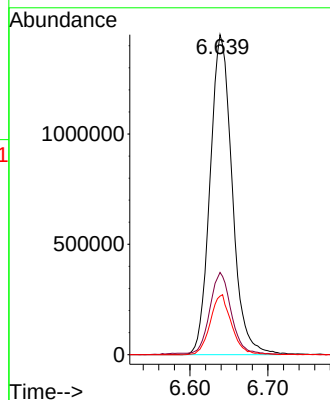
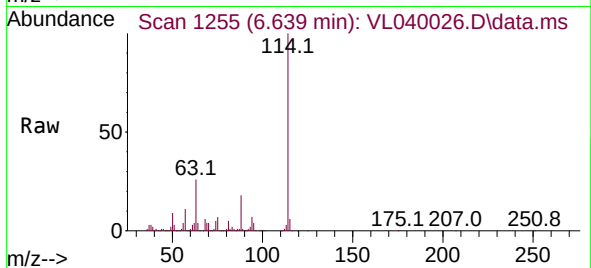
Tgt Ion:114 Resp: 2852840

Ion Ratio Lower Upper

114 100

63 25.8 20.2 30.2

88 18.1 14.6 21.8



#34

2-Butanone

Concen: 13.391 ppbv

RT: 4.767 min Scan# 673

Delta R.T. -0.000 min

Lab File: VL040026.D

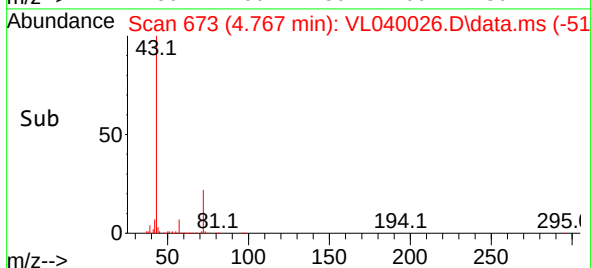
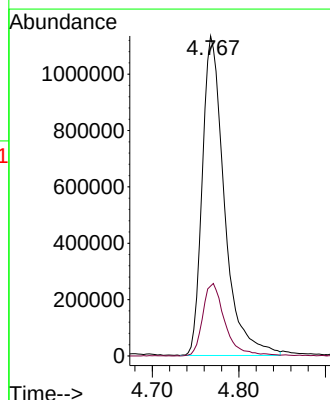
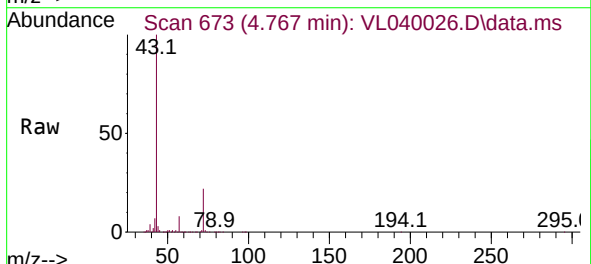
Acq: 19 Dec 2022 13:23

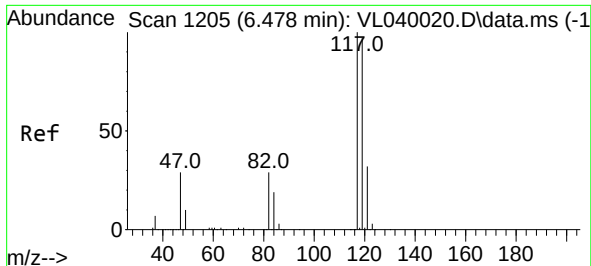
Tgt Ion: 43 Resp: 2016508

Ion Ratio Lower Upper

43 100

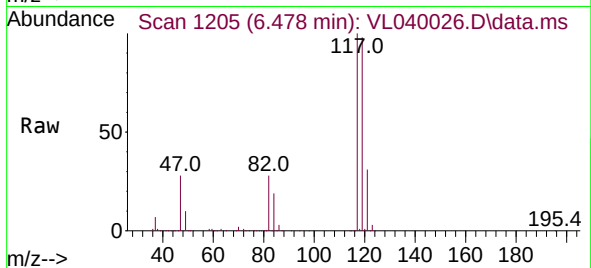
72 23.1 18.0 27.0



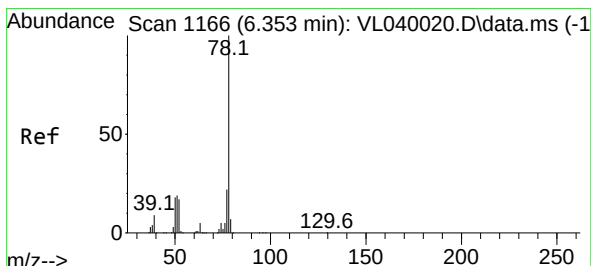
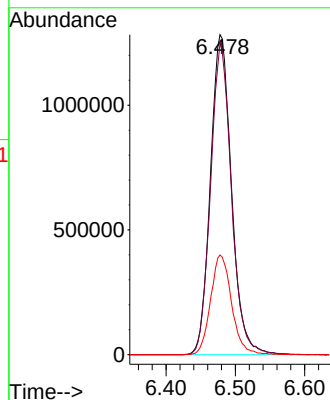
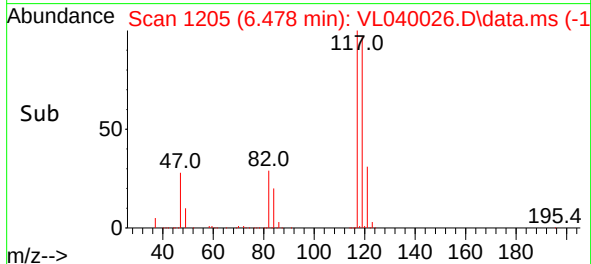


#35  
Carbon Tetrachloride  
Concen: 15.282 ppbv  
RT: 6.478 min Scan# 1167  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Instrument :  
MSVOA\_1  
ClientSampleId :  
VSTDIC015

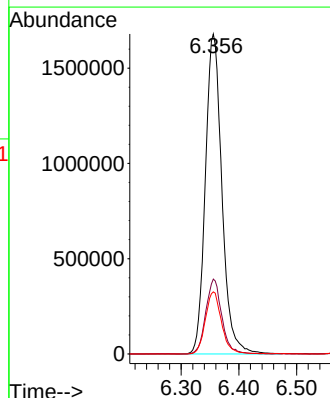
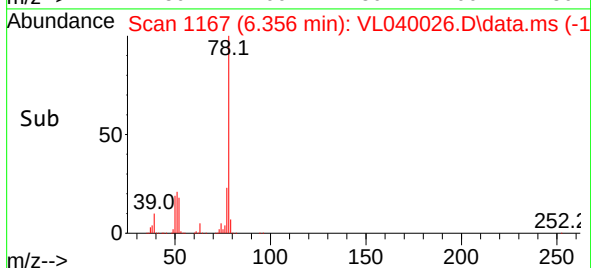
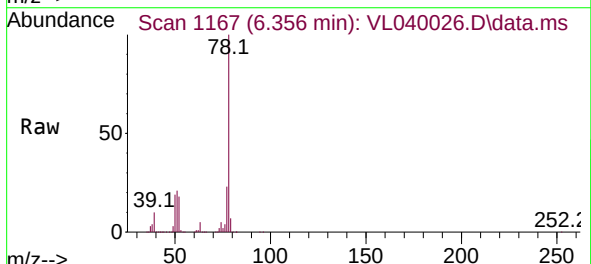


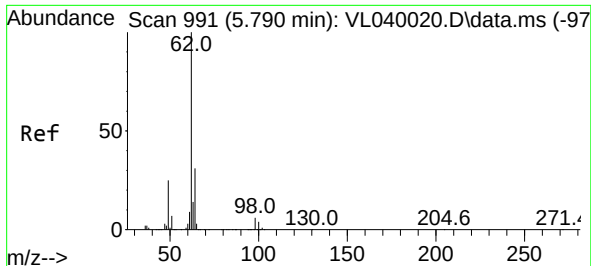
Tgt Ion:117 Resp: 2711898  
Ion Ratio Lower Upper  
117 100  
119 97.5 77.3 115.9  
121 31.1 25.4 38.0



#36  
Benzene  
Concen: 13.124 ppbv  
RT: 6.356 min Scan# 1167  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 78 Resp: 3343740  
Ion Ratio Lower Upper  
78 100  
77 23.4 17.5 26.3  
50 19.4 14.2 21.2





#37

1,2-Dichloroethane

Concen: 13.524 ppbv

RT: 5.790 min Scan# 991

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

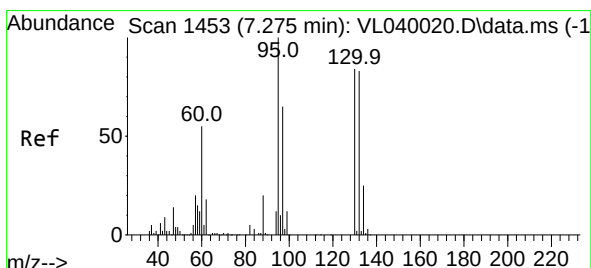
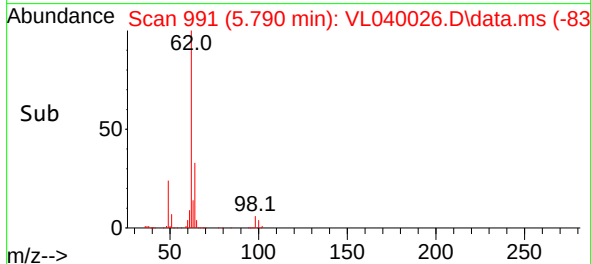
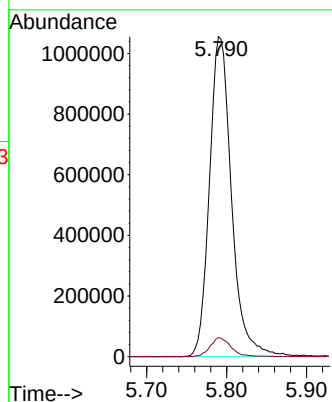
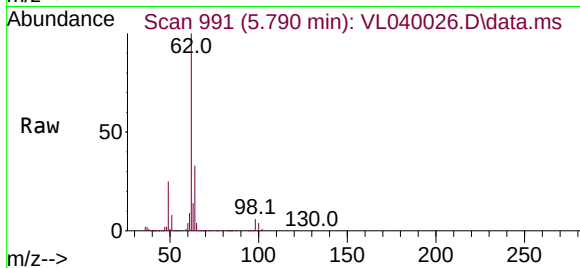
VSTDIC015

Tgt Ion: 62 Resp: 2021356

Ion Ratio Lower Upper

62 100

98 5.8 5.1 7.7



#38

Trichloroethene

Concen: 14.986 ppbv

RT: 7.275 min Scan# 1453

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Tgt Ion:130 Resp: 1972843

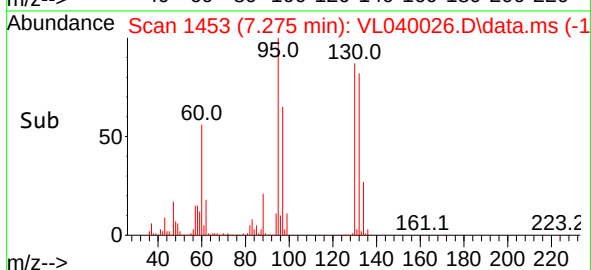
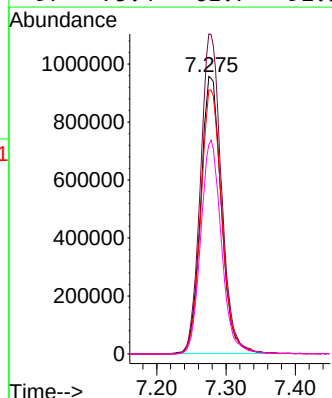
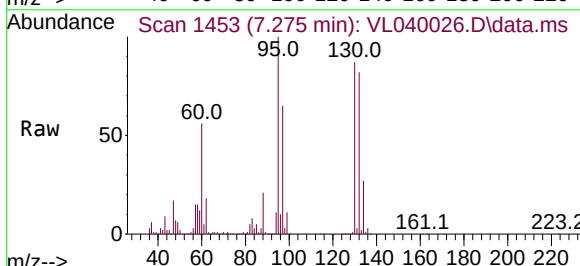
Ion Ratio Lower Upper

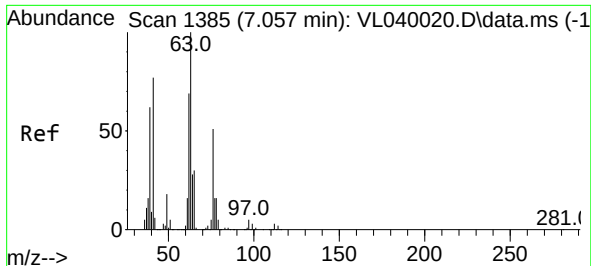
130 100

95 115.3 94.8 142.2

132 95.1 78.2 117.4

97 75.4 61.7 92.5





#39

1,2-Dichloropropane

Concen: 13.356 ppbv

RT: 7.057 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

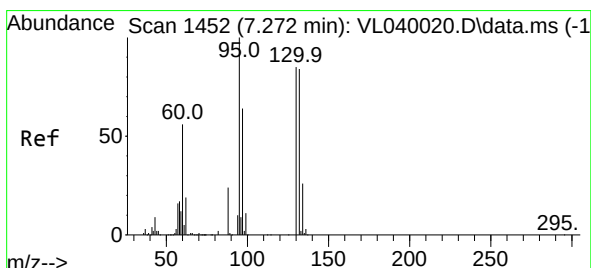
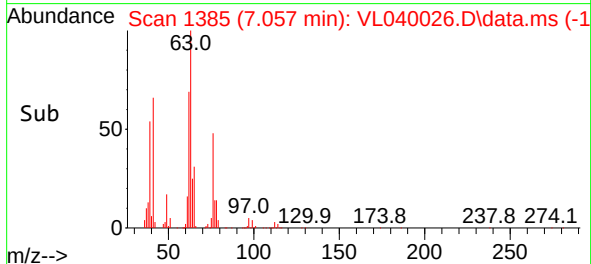
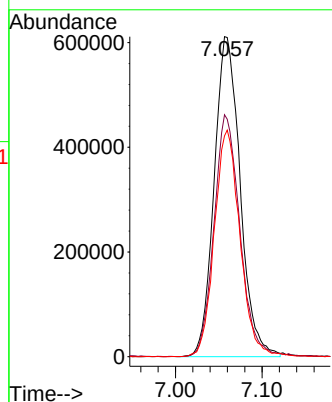
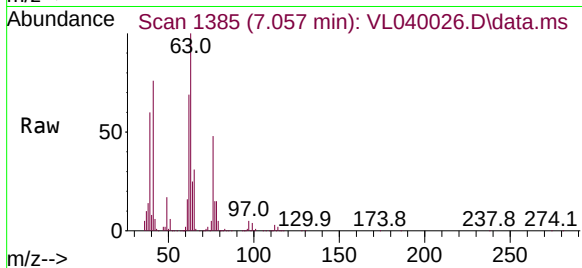
MSVOA\_L

ClientSampleId :

VSTDIC015

Tgt Ion: 63 Resp: 1275536

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 41  | 75.5  | 61.4  | 92.0  |
| 62  | 69.0  | 55.4  | 83.2  |



#40

1,4-Dioxane

Concen: 12.352 ppbv

RT: 7.269 min Scan# 1451

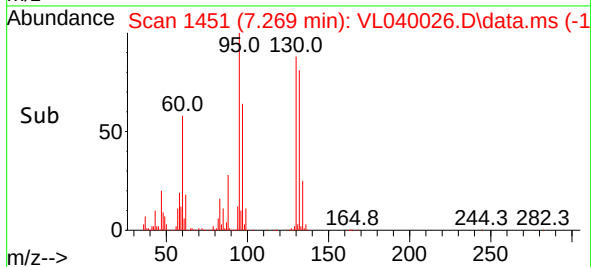
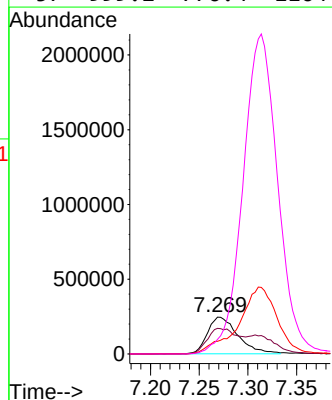
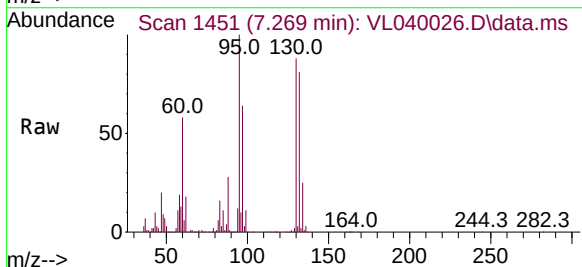
Delta R.T. -0.003 min

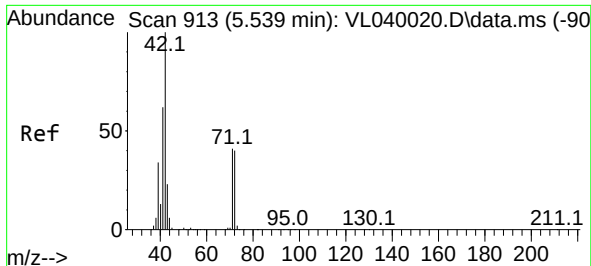
Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Tgt Ion: 88 Resp: 535020

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 88  | 100   |       |        |
| 58  | 118.4 | 92.7  | 139.1  |
| 43  | 230.8 | 174.6 | 261.8  |
| 57  | 999.2 | 776.4 | 1164.6 |

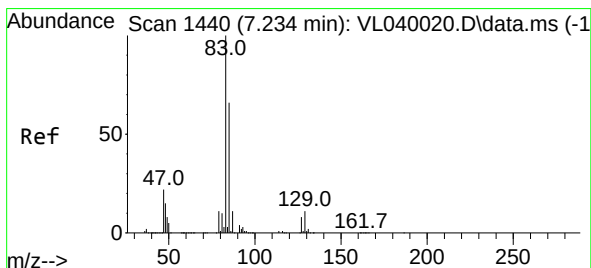
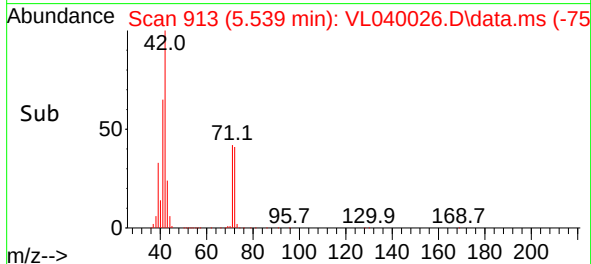
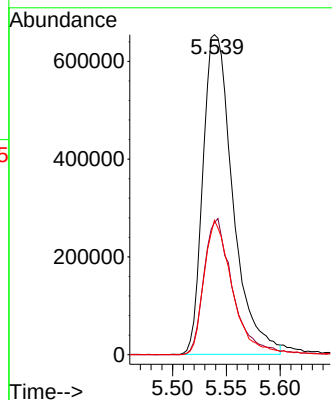
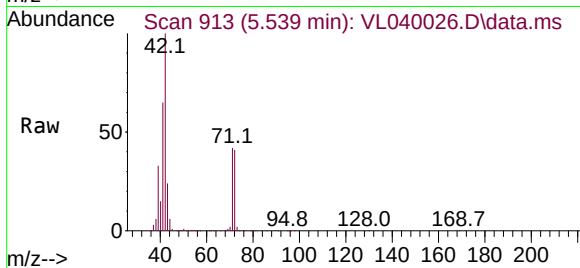




#41  
Tetrahydrofuran  
Concen: 13.529 ppbv  
RT: 5.539 min Scan# 913  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

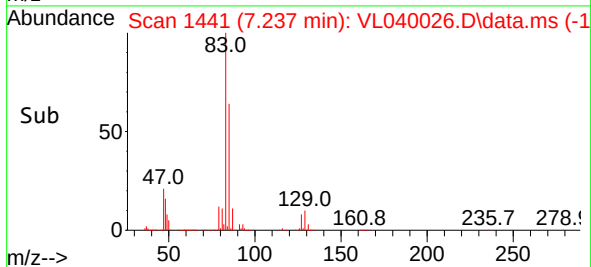
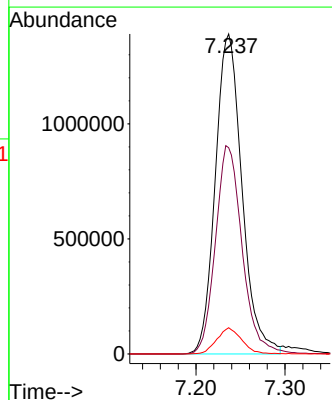
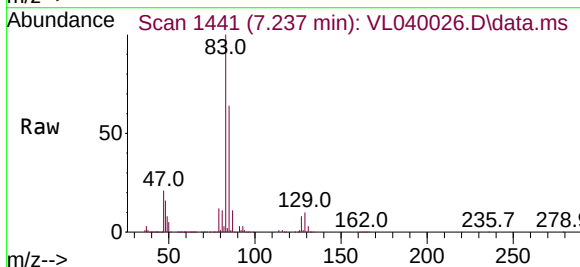
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC015

Tgt Ion: 42 Resp: 1265467  
Ion Ratio Lower Upper  
42 100  
72 41.8 32.9 49.3  
71 40.5 32.2 48.2

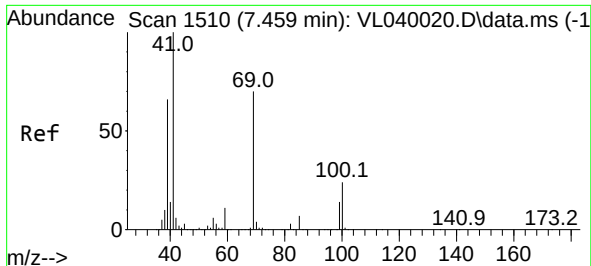


#42  
Bromodichloromethane  
Concen: 14.167 ppbv  
RT: 7.237 min Scan# 1441  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 83 Resp: 2895313  
Ion Ratio Lower Upper  
83 100  
85 64.4 53.0 79.6  
127 8.2 6.2 9.2



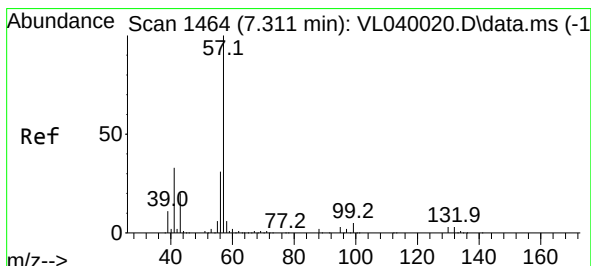
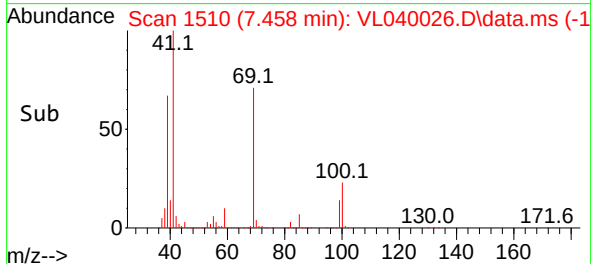
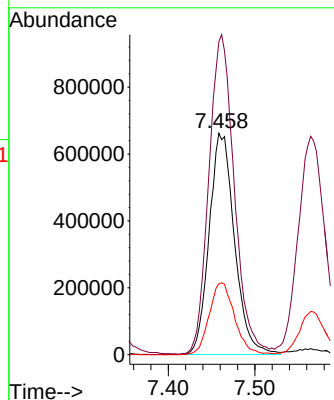
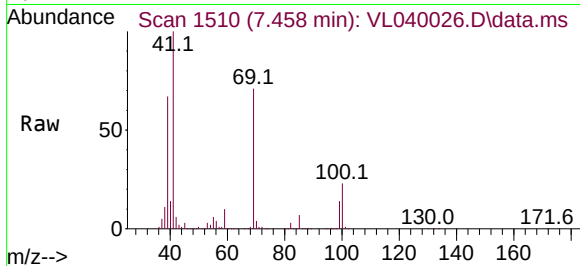




#43  
Methyl Methacrylate  
Concen: 14.075 ppbv  
RT: 7.458 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

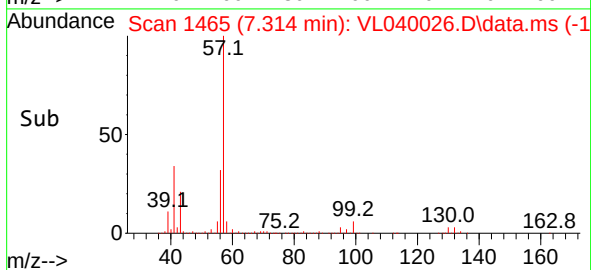
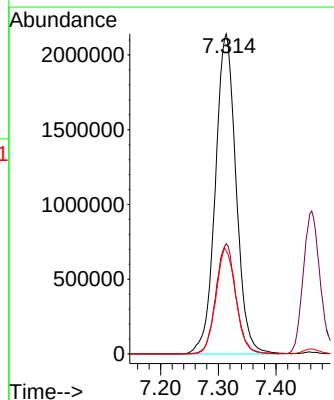
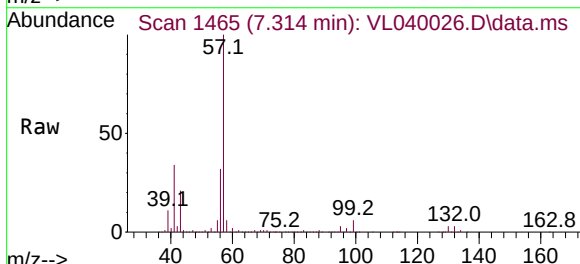
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

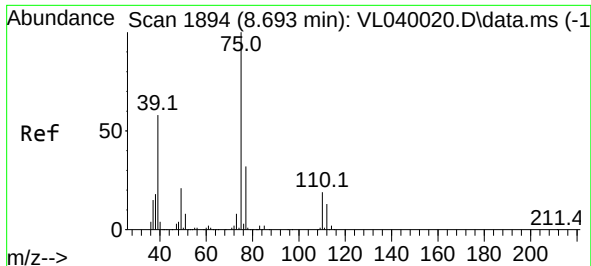
Tgt Ion: 69 Resp: 1345800  
Ion Ratio Lower Upper  
69 100  
41 145.2 115.7 173.5  
100 32.6 26.0 39.0



#44  
2,2,4-Trimethylpentane  
Concen: 12.733 ppbv  
RT: 7.314 min Scan# 1465  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 57 Resp: 5340760  
Ion Ratio Lower Upper  
57 100  
41 33.3 26.2 39.4  
56 31.8 25.1 37.7





#45

t-1,3-Dichloropropene

Concen: 16.965 ppbv

RT: 8.700 min Scan# 11

Delta R.T. 0.006 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

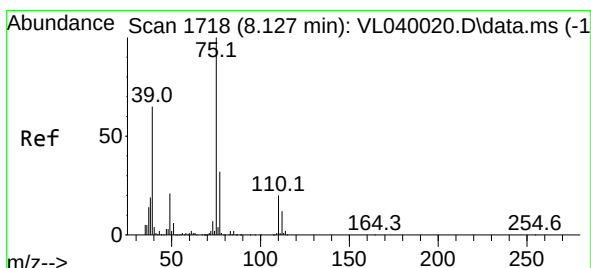
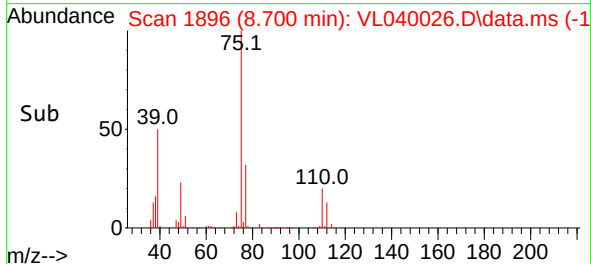
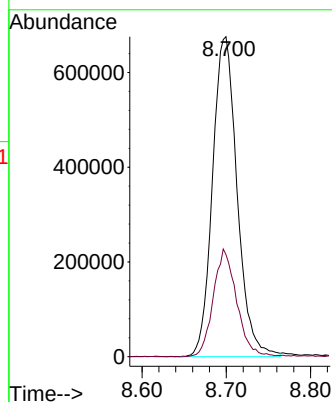
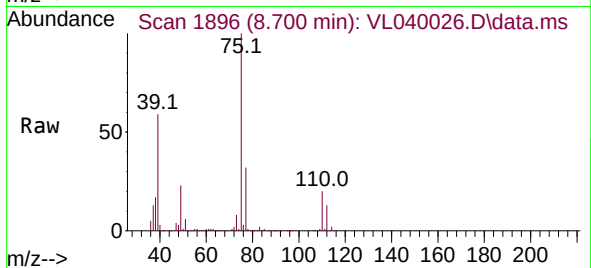
VSTDIC015

Tgt Ion: 75 Resp: 1370851

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.2



#46

cis-1,3-Dichloropropene

Concen: 15.667 ppbv

RT: 8.130 min Scan# 1719

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

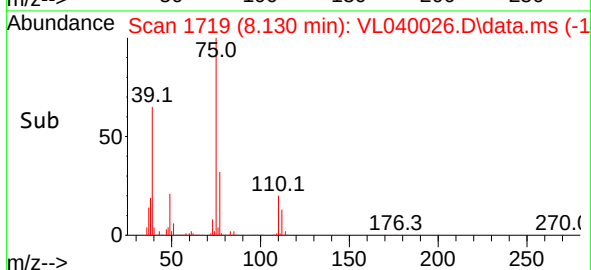
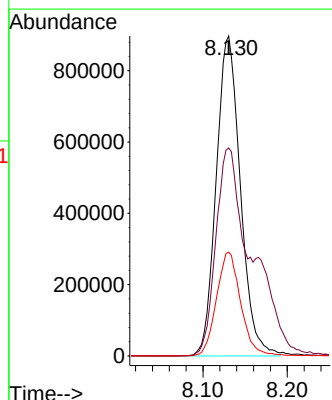
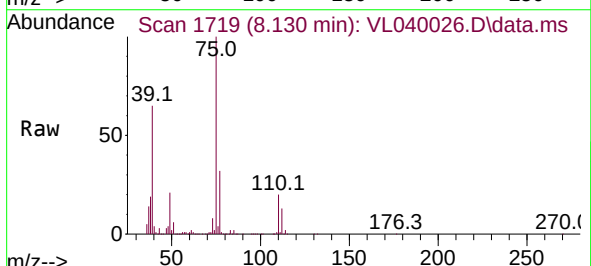
Tgt Ion: 75 Resp: 1785858

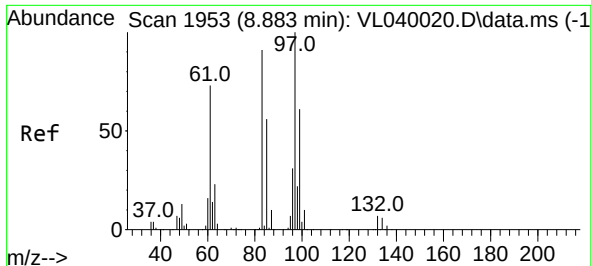
Ion Ratio Lower Upper

75 100

39 65.0 51.7 77.5

77 32.4 25.2 37.8

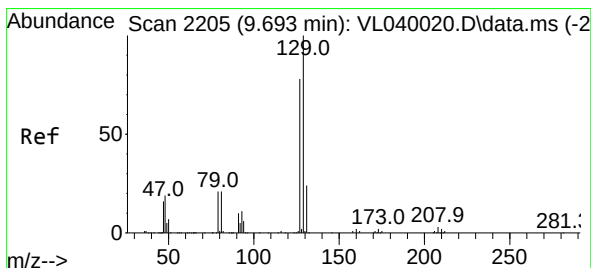
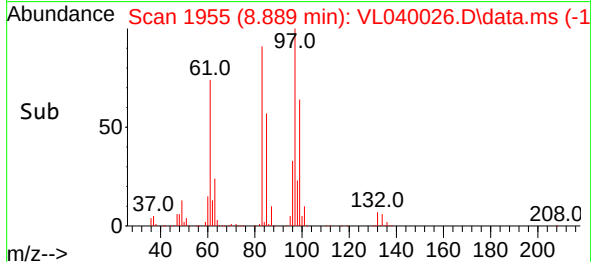
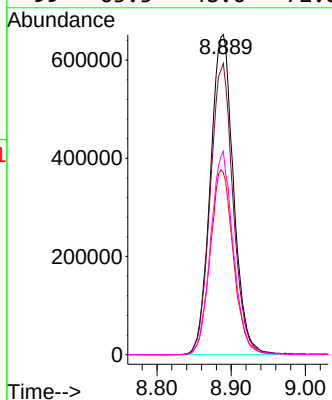
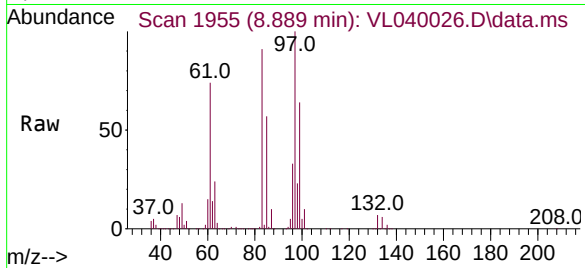




#47  
1,1,2-Trichloroethane  
Concen: 13.518 ppbv  
RT: 8.889 min Scan# 1953  
Delta R.T. 0.006 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

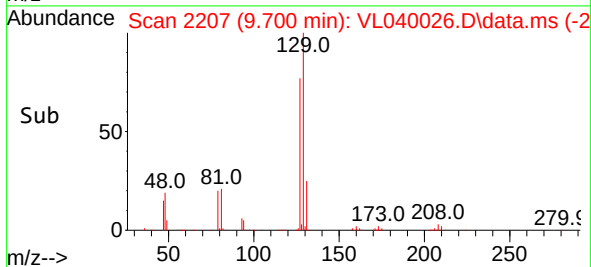
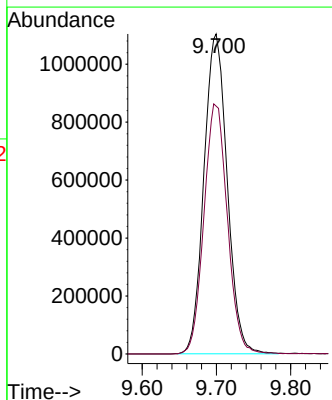
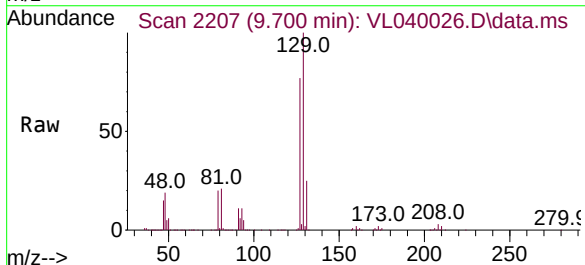
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

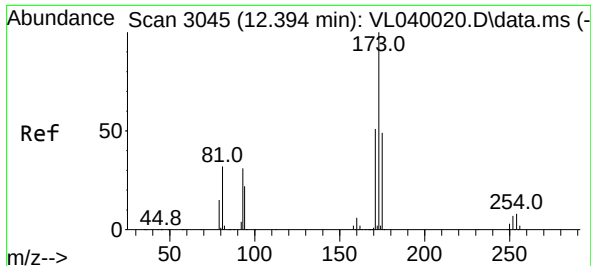
Tgt Ion: 97 Resp: 1412432  
Ion Ratio Lower Upper  
97 100  
83 90.9 72.5 108.7  
85 56.9 45.0 67.6  
99 63.5 48.6 72.8



#48  
Dibromochloromethane  
Concen: 15.081 ppbv  
RT: 9.700 min Scan# 2207  
Delta R.T. 0.006 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 129 Resp: 2401448  
Ion Ratio Lower Upper  
129 100  
127 78.9 39.4 118.1





#49

Bromoform

Concen: 15.841 ppbv

RT: 12.397 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

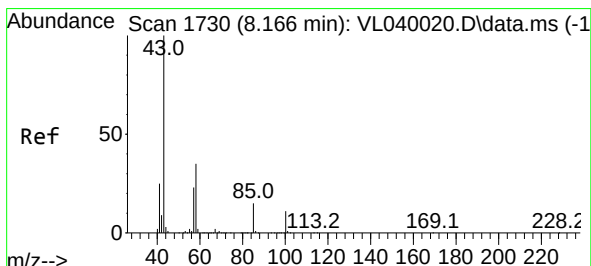
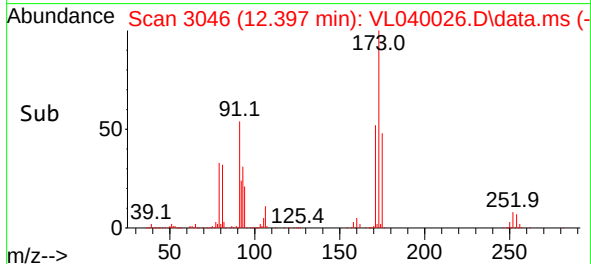
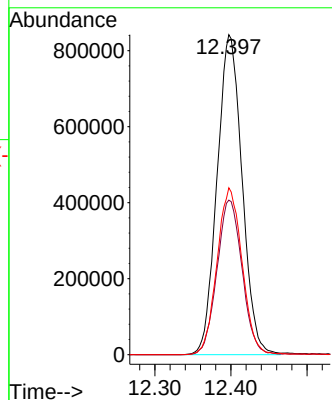
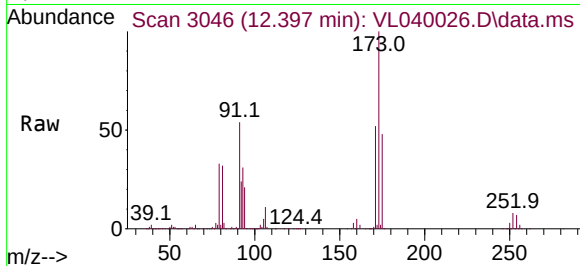
Tgt Ion:173 Resp: 1921834

Ion Ratio Lower Upper

173 100

175 48.8 39.0 58.4

171 52.5 42.0 63.0



#50

4-Methyl-2-Pentanone

Concen: 13.372 ppbv

RT: 8.166 min Scan# 1730

Delta R.T. -0.000 min

Lab File: VL040026.D

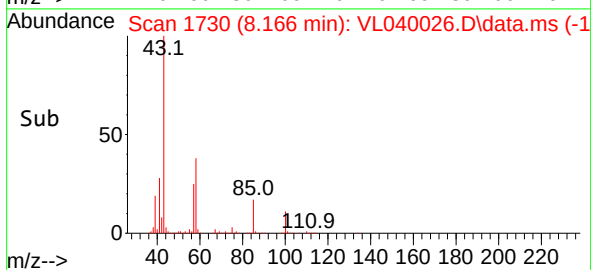
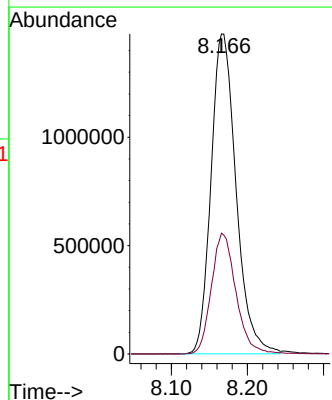
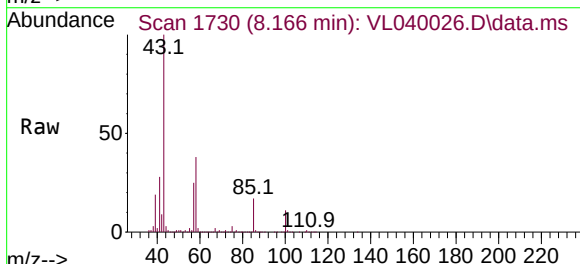
Acq: 19 Dec 2022 13:23

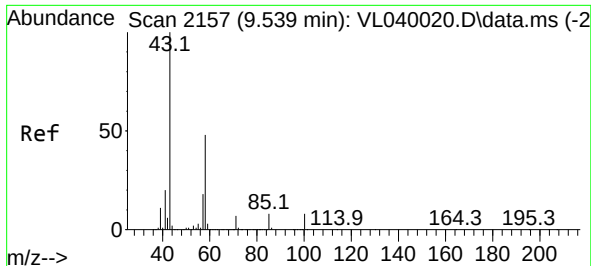
Tgt Ion: 43 Resp: 3380932

Ion Ratio Lower Upper

43 100

58 37.1 29.0 43.4

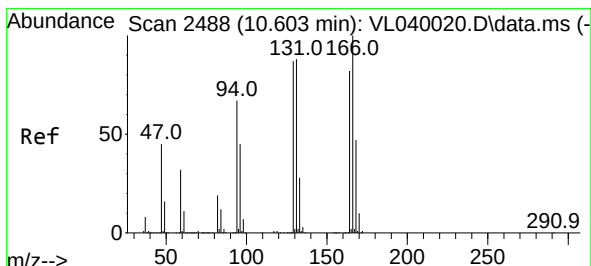
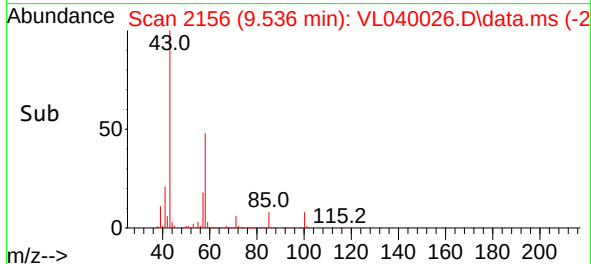
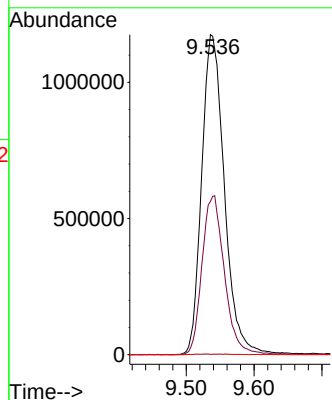
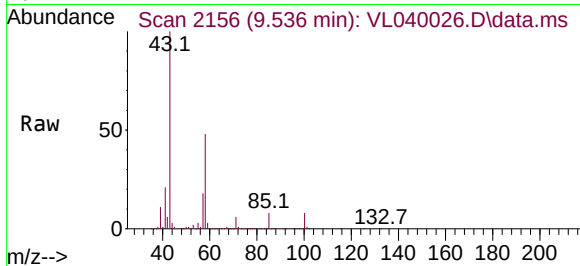




#51  
2-Hexanone  
Concen: 13.901 ppbv  
RT: 9.536 min Scan# 2157  
Delta R.T. -0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

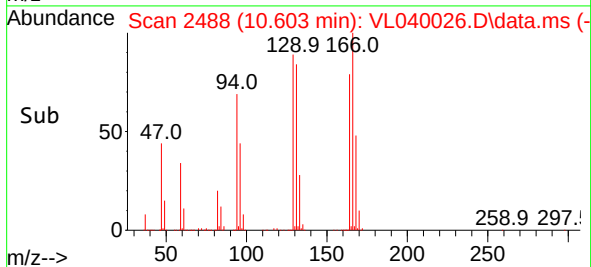
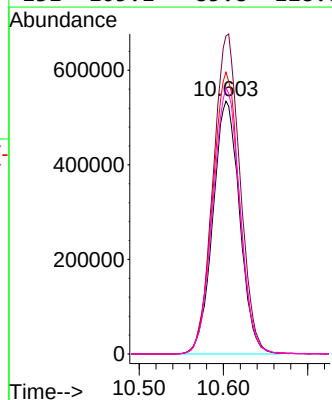
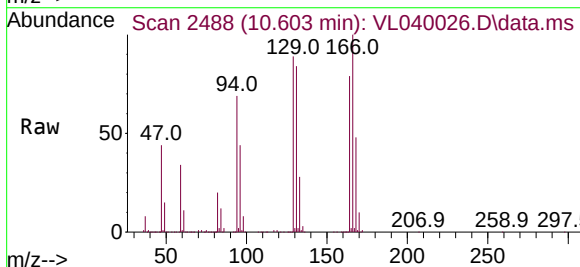
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

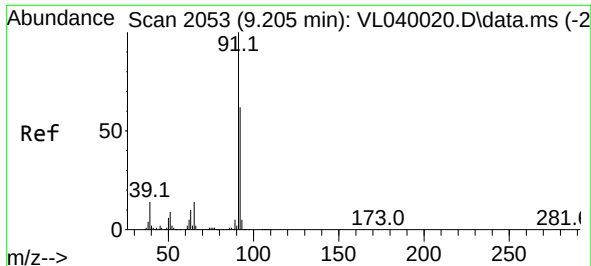
Tgt Ion: 43 Resp: 2725346  
Ion Ratio Lower Upper  
43 100  
58 49.3 39.4 59.2  
98 0.3 0.2 0.4



#52  
Tetrachloroethene  
Concen: 13.493 ppbv  
RT: 10.603 min Scan# 2488  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 164 Resp: 1176522  
Ion Ratio Lower Upper  
164 100  
166 125.8 97.4 146.0  
129 111.4 84.3 126.5  
131 105.1 85.8 128.8

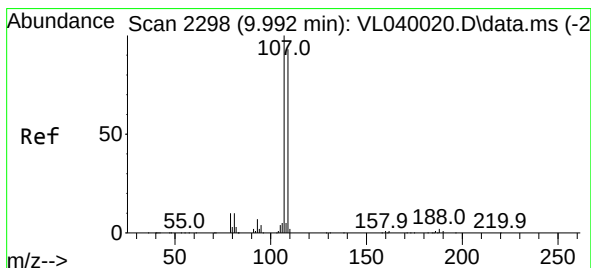
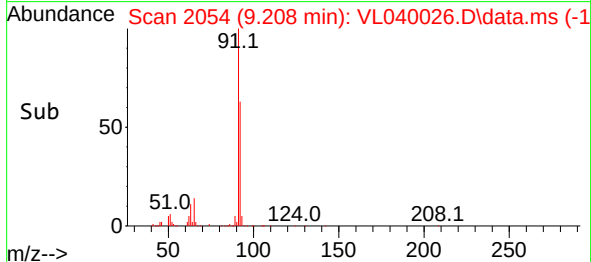
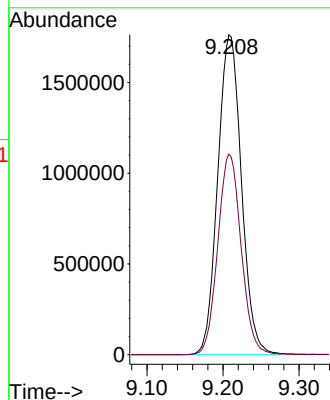
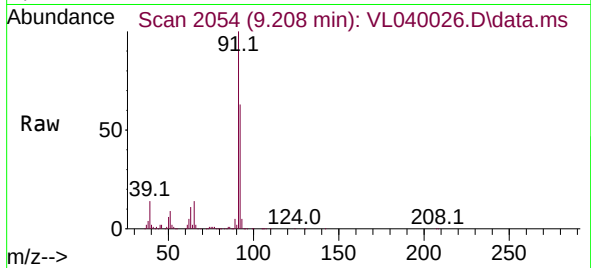




#53  
Toluene  
Concen: 13.539 ppbv  
RT: 9.208 min Scan# 2053  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

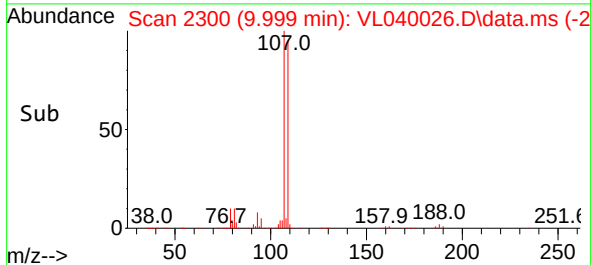
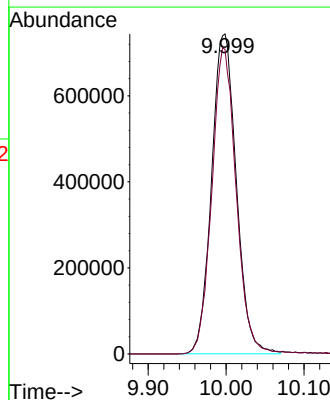
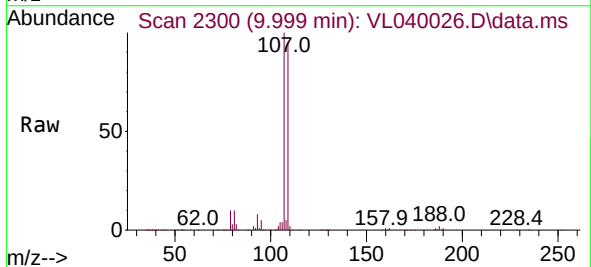
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

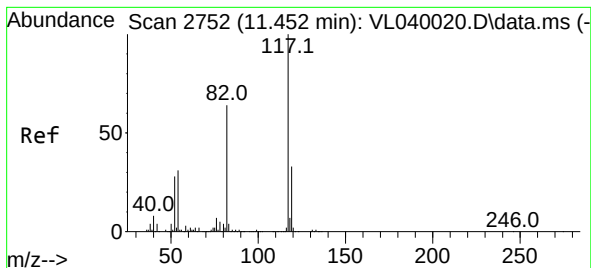
Tgt Ion: 91 Resp: 3819380  
Ion Ratio Lower Upper  
91 100  
92 61.8 48.7 73.1



#54  
1,2-Dibromoethane  
Concen: 14.671 ppbv  
RT: 9.999 min Scan# 2300  
Delta R.T. 0.006 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 107 Resp: 1641217  
Ion Ratio Lower Upper  
107 100  
109 95.2 74.1 111.1

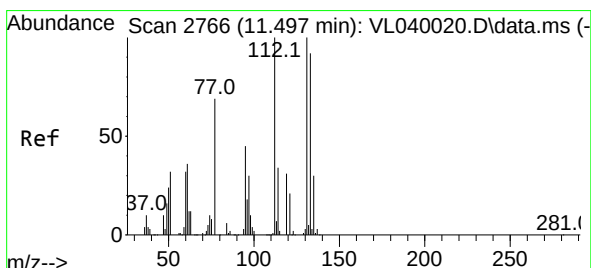
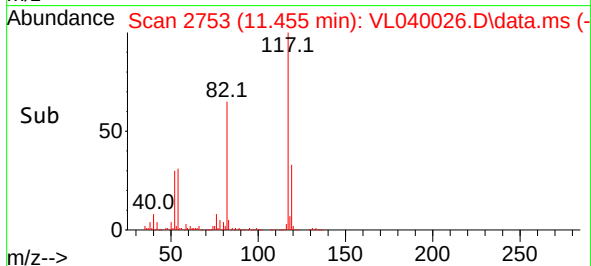
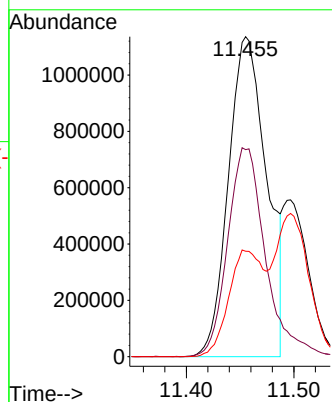
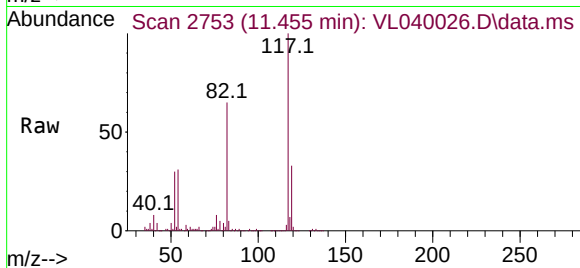




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 11.455 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

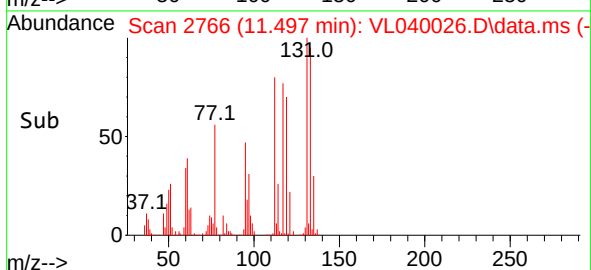
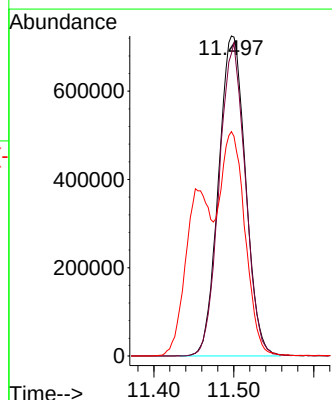
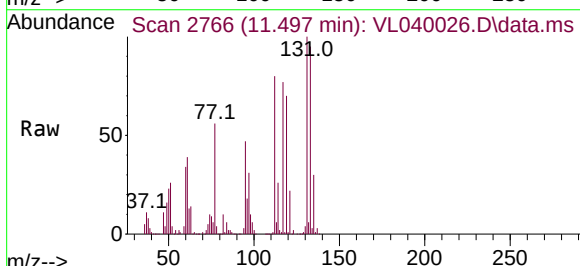
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

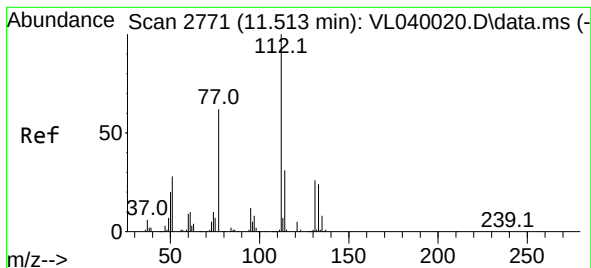
Tgt Ion:117 Resp: 2806120  
Ion Ratio Lower Upper  
117 100  
82 64.8 51.2 76.8  
119 32.1 23.2 34.8



#56  
1,1,1,2-Tetrachloroethane  
Concen: 13.114 ppbv  
RT: 11.497 min Scan# 2766  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion:131 Resp: 1698507  
Ion Ratio Lower Upper  
131 100  
133 95.1 75.8 113.8  
119 70.3 52.3 78.5

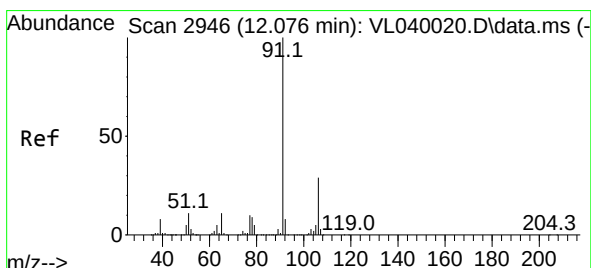
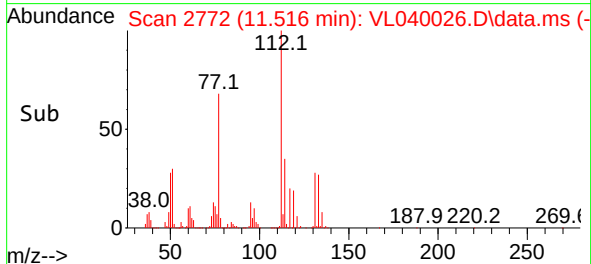
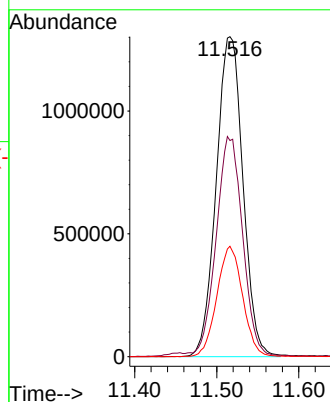
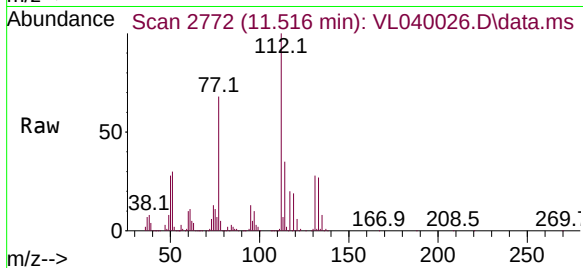




#57  
Chlorobenzene  
Concen: 12.400 ppbv  
RT: 11.516 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

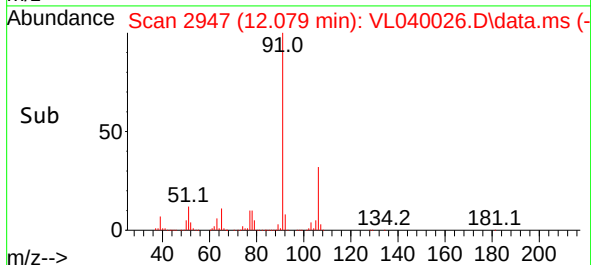
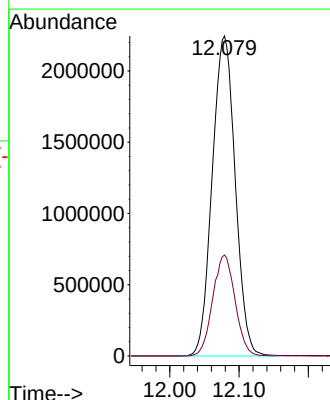
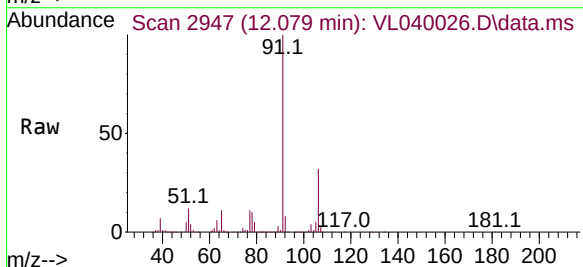
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

Tgt Ion:112 Resp: 2953723  
Ion Ratio Lower Upper  
112 100  
77 67.1 50.6 75.8  
114 34.5 27.8 34.0#

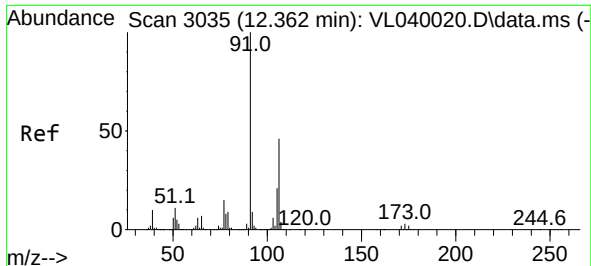


#58  
Ethyl Benzene  
Concen: 12.988 ppbv  
RT: 12.079 min Scan# 2947  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 91 Resp: 5178070  
Ion Ratio Lower Upper  
91 100  
106 31.6 23.5 35.3







#59

m/p-Xylene

Concen: 13.233 ppbv

RT: 12.365 min Scan# 3035

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

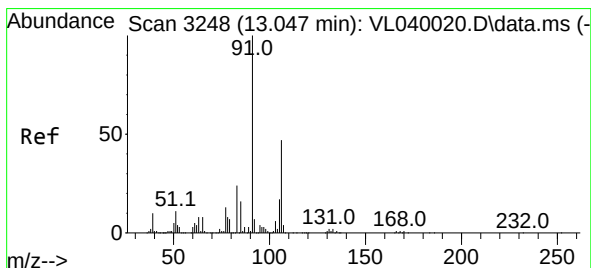
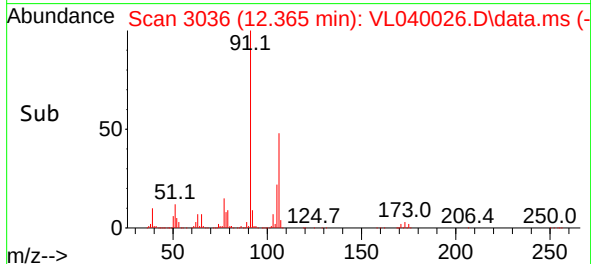
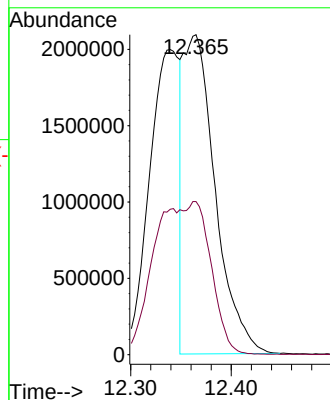
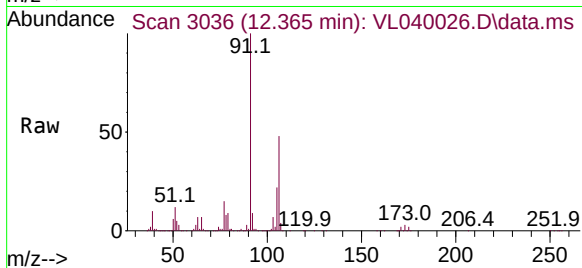
VSTDIC015

Tgt Ion: 91 Resp: 4595590

Ion Ratio Lower Upper

91 100

106 85.4 35.5 53.3#



#60

o-Xylene

Concen: 12.691 ppbv

RT: 13.050 min Scan# 3249

Delta R.T. 0.003 min

Lab File: VL040026.D

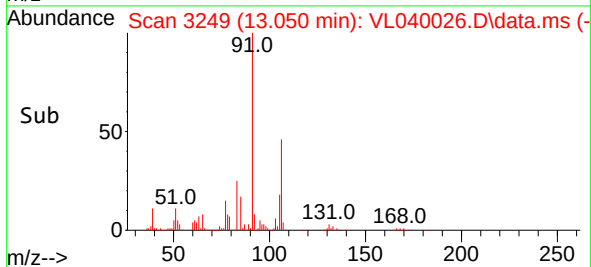
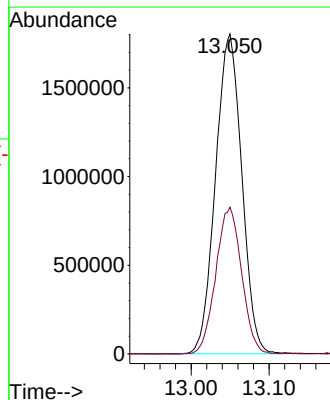
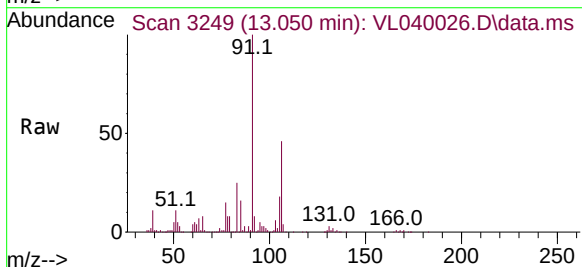
Acq: 19 Dec 2022 13:23

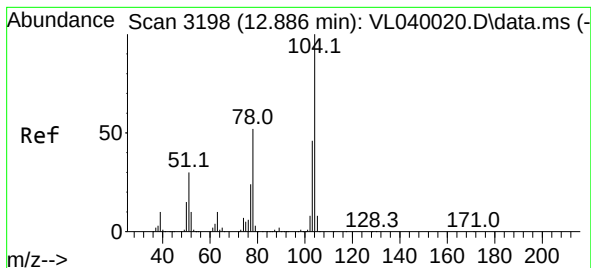
Tgt Ion: 91 Resp: 4220746

Ion Ratio Lower Upper

91 100

106 45.3 22.4 67.0





#61

Styrene

Concen: 14.453 ppbv

RT: 12.886 min Scan# 3198

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

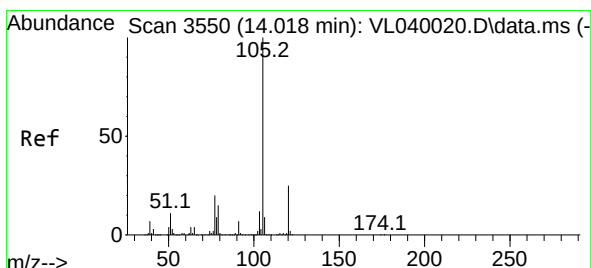
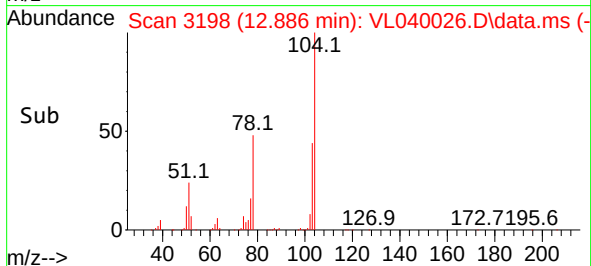
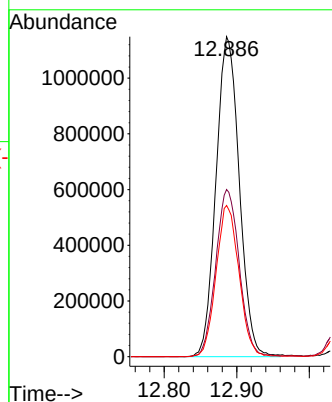
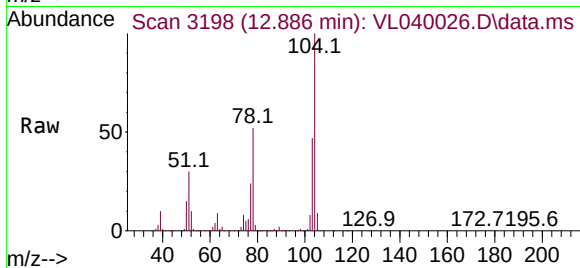
Tgt Ion:104 Resp: 2563375

Ion Ratio Lower Upper

104 100

78 53.0 42.4 63.6

103 46.7 37.2 55.8



#62

Isopropylbenzene

Concen: 12.304 ppbv

RT: 14.018 min Scan# 3550

Delta R.T. -0.000 min

Lab File: VL040026.D

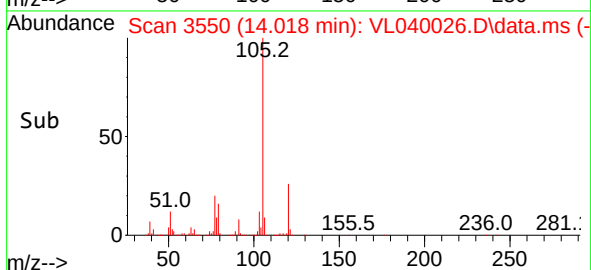
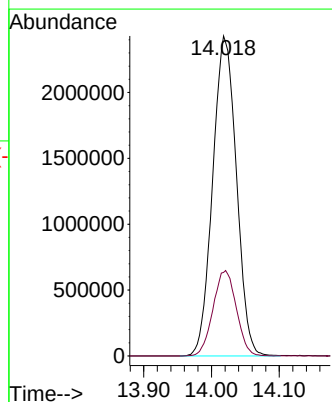
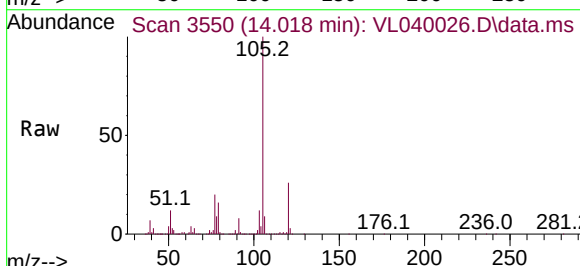
Acq: 19 Dec 2022 13:23

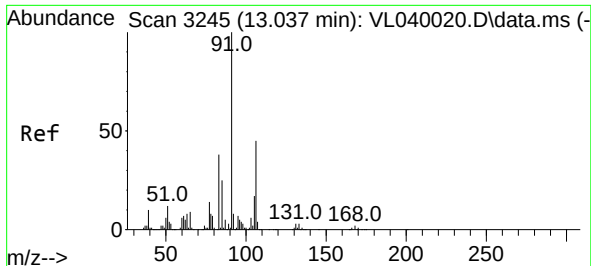
Tgt Ion:105 Resp: 5902882

Ion Ratio Lower Upper

105 100

120 26.3 20.6 31.0

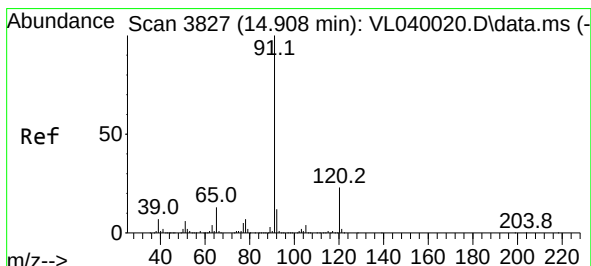
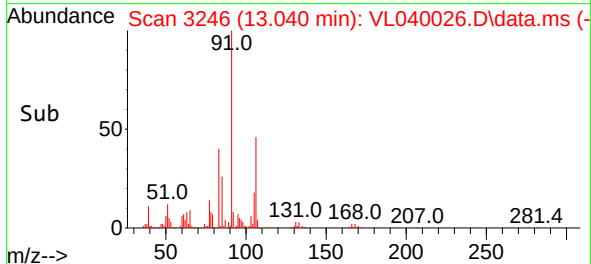
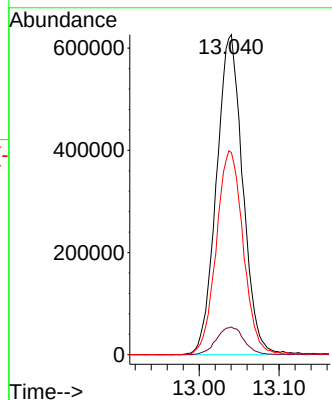
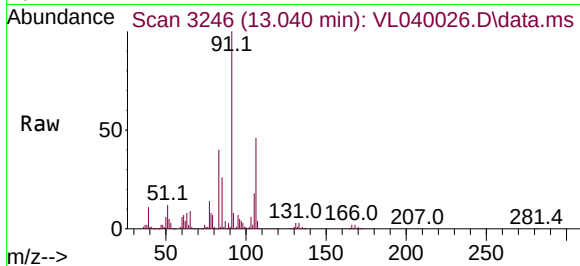




#63  
1,1,2,2-Tetrachloroethane  
Concen: 11.659 ppbv  
RT: 13.040 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

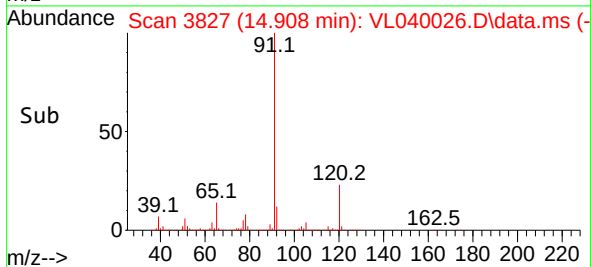
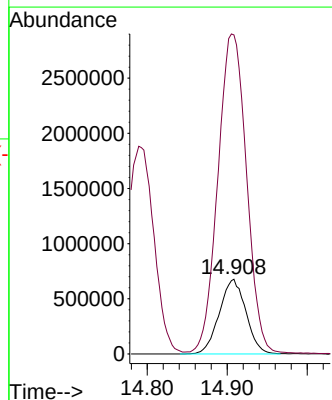
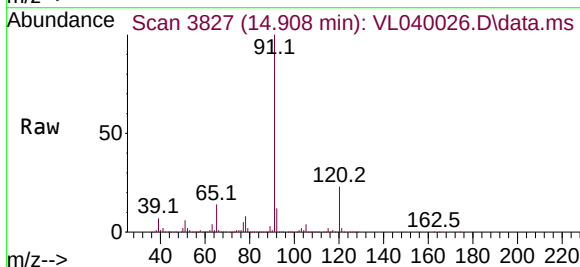
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

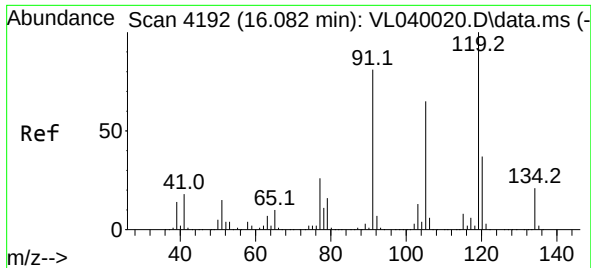
Tgt Ion: 83 Resp: 1426818  
Ion Ratio Lower Upper  
83 100  
131 9.1 4.5 13.5  
85 66.0 33.3 99.9



#64  
n-propylbenzene  
Concen: 12.954 ppbv  
RT: 14.908 min Scan# 3827  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion:120 Resp: 1564495  
Ion Ratio Lower Upper  
120 100  
91 463.1 384.3 576.5

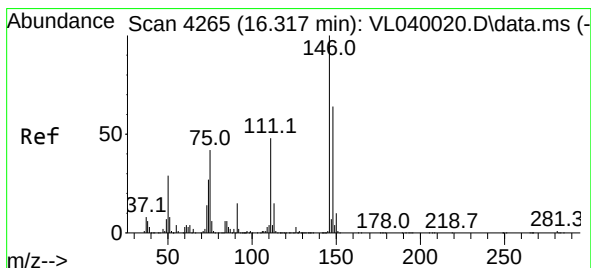
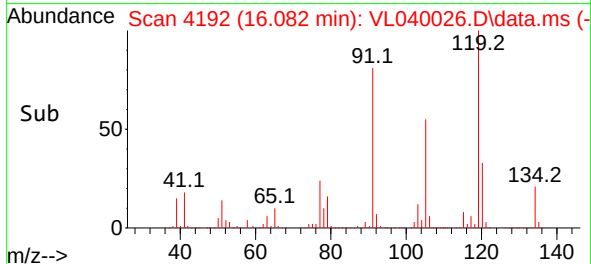
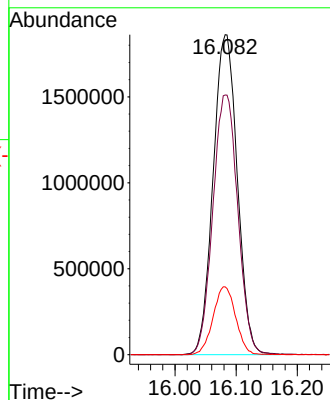
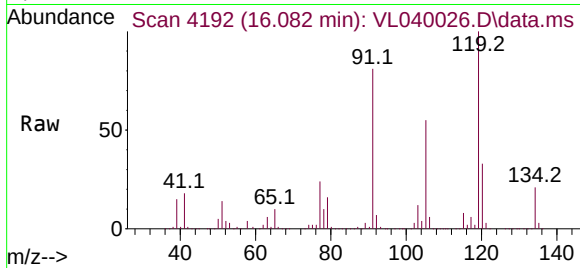




#65  
tert-Butylbenzene  
Concen: 12.280 ppbv  
RT: 16.082 min Scan# 4192  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

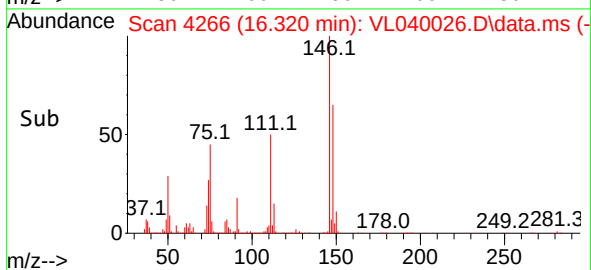
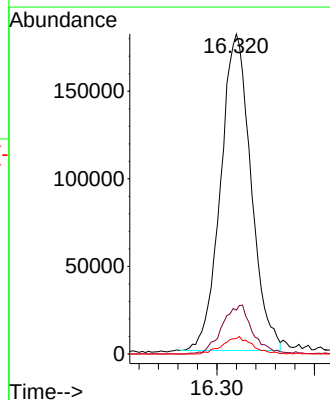
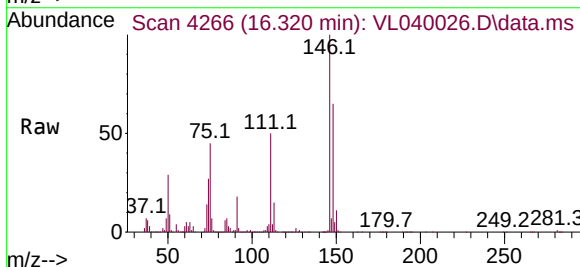
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

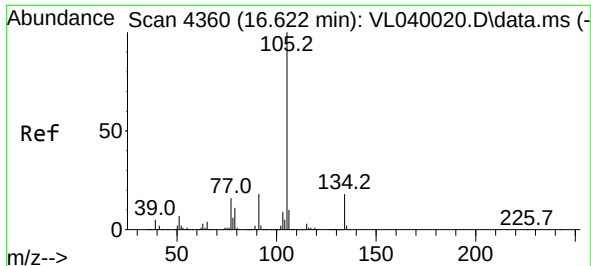
Tgt Ion:119 Resp: 5115476  
Ion Ratio Lower Upper  
119 100  
91 83.8 66.9 100.3  
134 19.9 15.8 23.6



#66  
Benzyl Chloride  
Concen: 18.078 ppbv  
RT: 16.320 min Scan# 4266  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 91 Resp: 391164  
Ion Ratio Lower Upper  
91 100  
126 15.7 12.2 18.2  
128 5.3 4.2 6.2

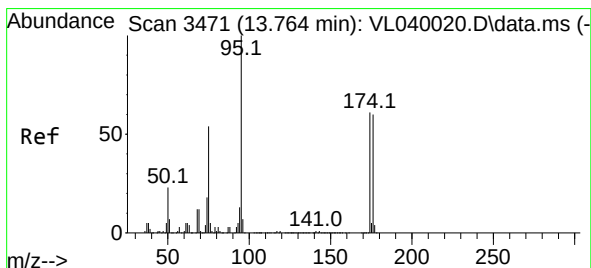
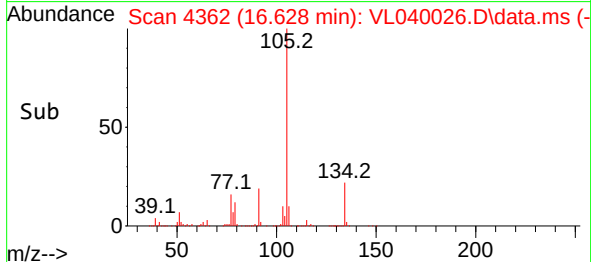
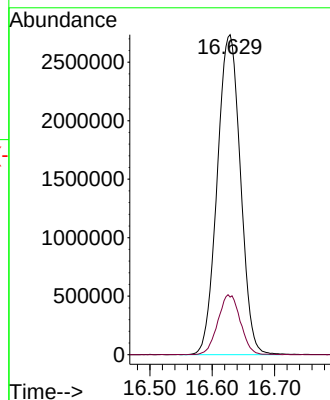
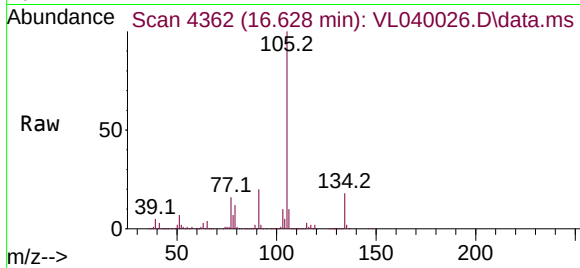




#67  
 sec-Butylbenzene  
 Concen: 12.109 ppbv  
 RT: 16.628 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

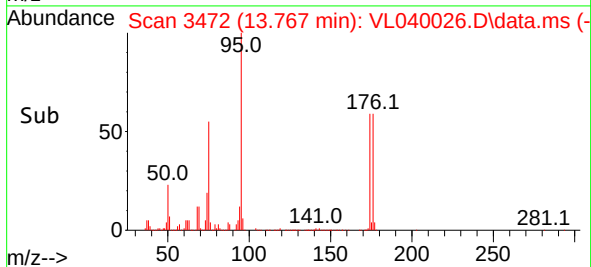
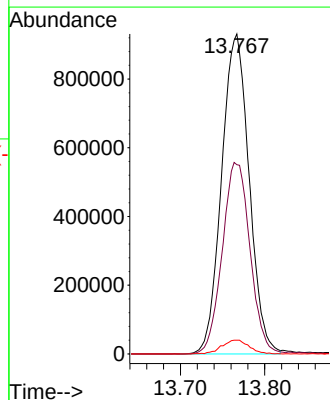
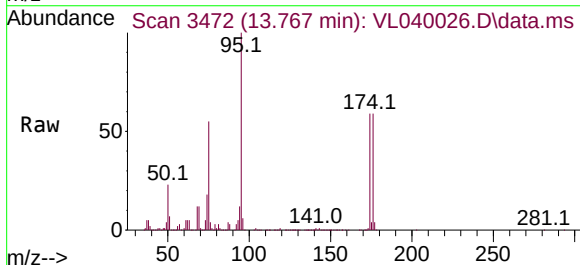
Instrument :  
 MSVOA\_1  
 ClientSampleId :  
 VSTDIC015

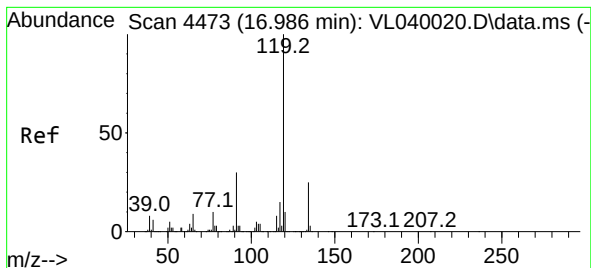
Tgt Ion:105 Resp: 7074755  
 Ion Ratio Lower Upper  
 105 100  
 134 18.2 14.2 21.4



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.842 ppbv  
 RT: 13.767 min Scan# 3472  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion: 95 Resp: 2109746  
 Ion Ratio Lower Upper  
 95 100  
 174 60.9 48.6 73.0  
 175 4.3 3.4 5.2





#69

p-Isopropyltoluene

Concen: 12.347 ppbv

RT: 16.985 min Scan# 4473

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

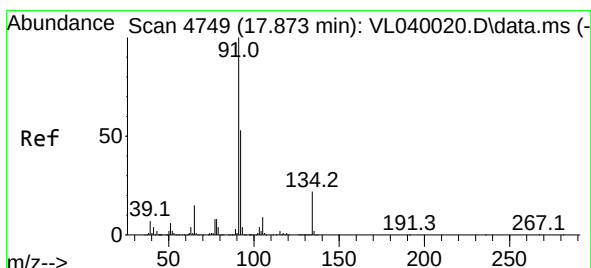
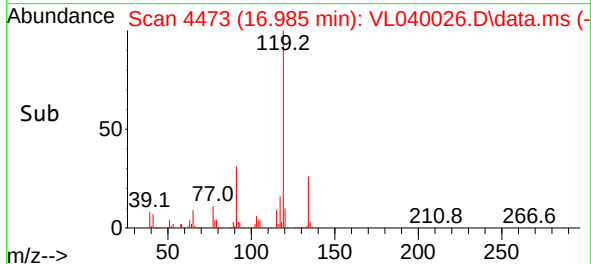
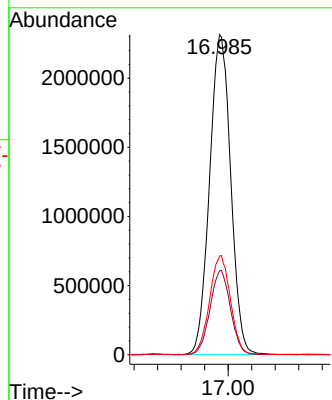
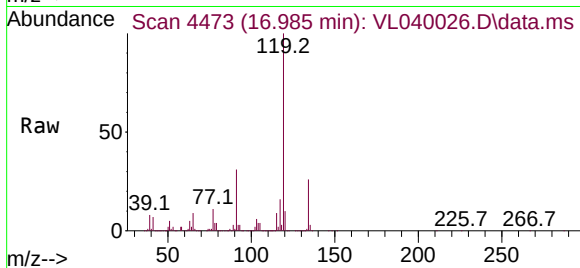
Tgt Ion:119 Resp: 5762279

Ion Ratio Lower Upper

119 100

134 25.5 20.2 30.4

91 30.5 24.2 36.4



#70

n-Butylbenzene

Concen: 12.210 ppbv

RT: 17.879 min Scan# 4751

Delta R.T. 0.006 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

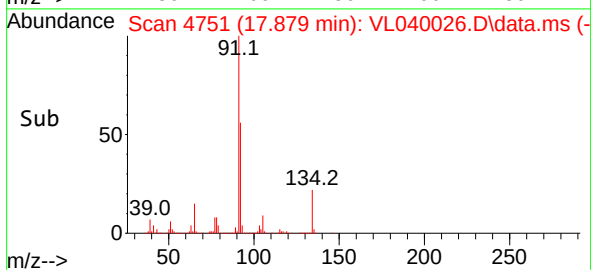
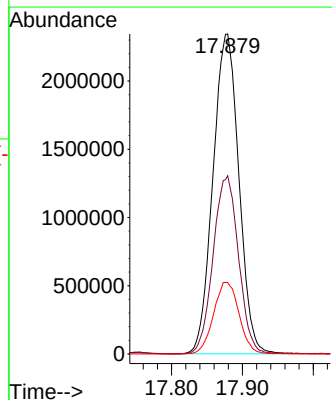
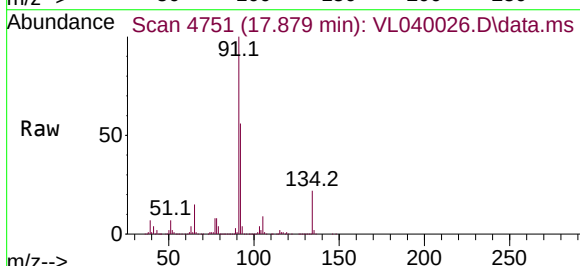
Tgt Ion: 91 Resp: 5953526

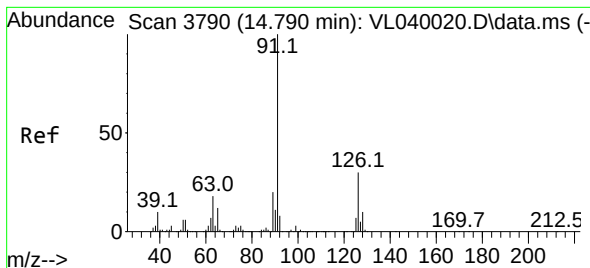
Ion Ratio Lower Upper

91 100

92 54.7 43.2 64.8

134 22.1 17.4 26.2

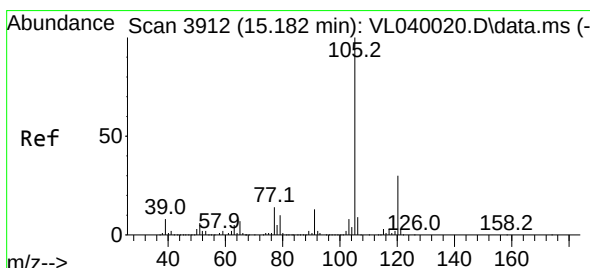
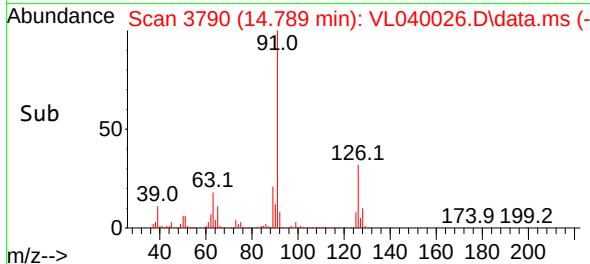
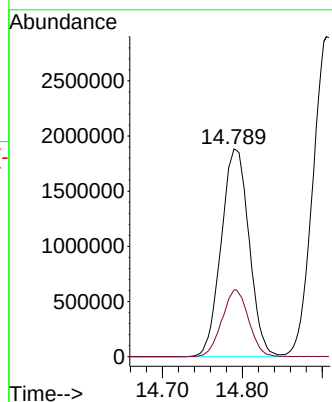
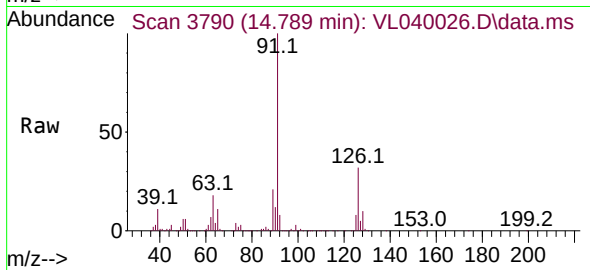




#71  
2-Chlorotoluene  
Concen: 12.464 ppbv  
RT: 14.789 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

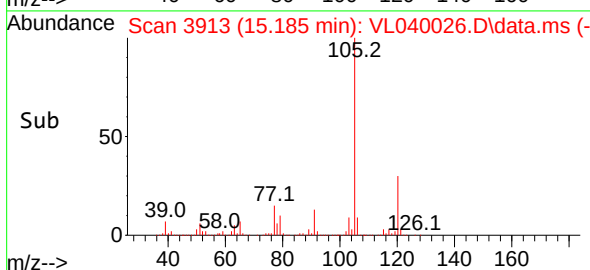
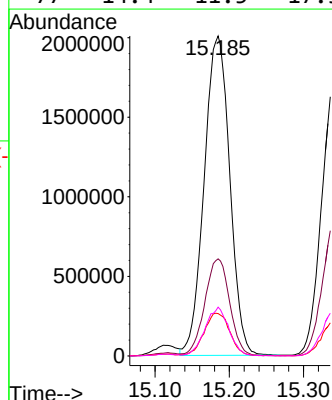
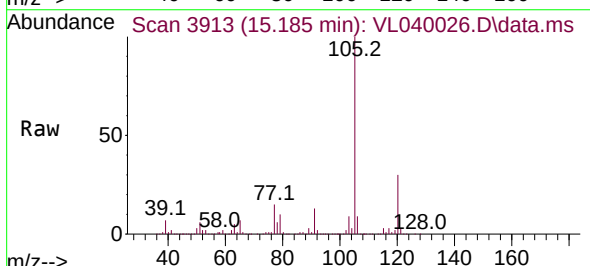
Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC015

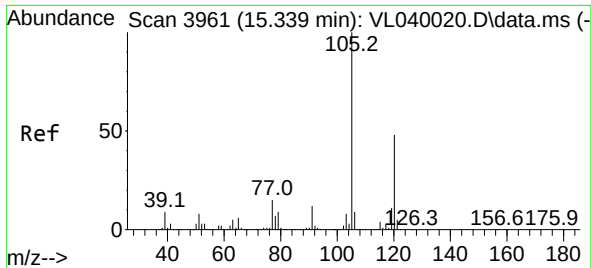
Tgt Ion: 91 Resp: 4562137  
Ion Ratio Lower Upper  
91 100  
126 30.8 12.1 48.5



#72  
4-Ethyltoluene  
Concen: 13.027 ppbv  
RT: 15.185 min Scan# 3913  
Delta R.T. 0.003 min  
Lab File: VL040026.D  
Acq: 19 Dec 2022 13:23

Tgt Ion: 105 Resp: 4813034  
Ion Ratio Lower Upper  
105 100  
120 29.8 23.5 35.3  
91 13.5 10.5 15.7  
77 14.4 11.5 17.3

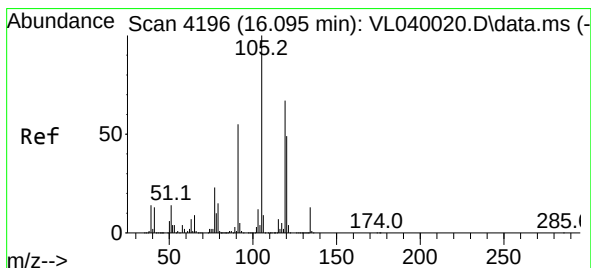
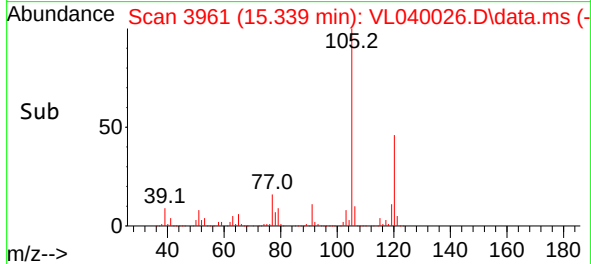
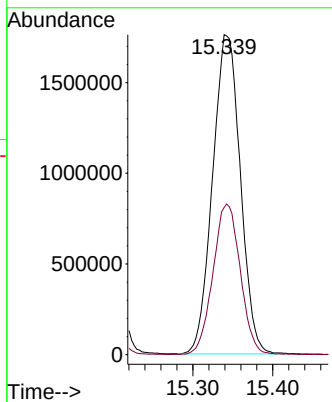
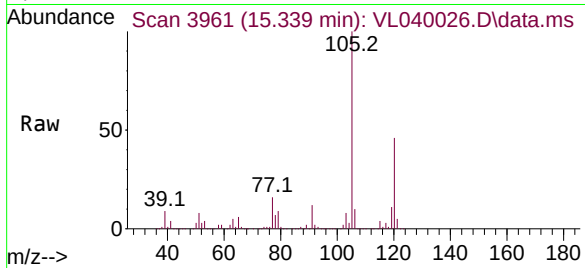




#73  
 1,3,5-Trimethylbenzene  
 Concen: 12.670 ppbv  
 RT: 15.339 min Scan# 3961  
 Delta R.T. -0.000 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

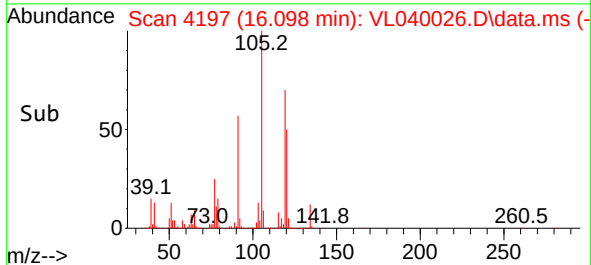
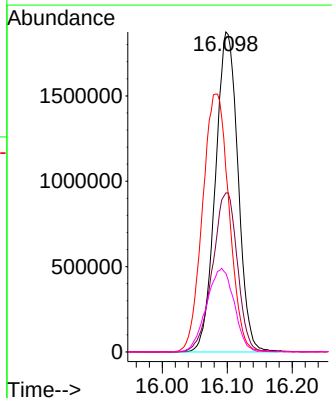
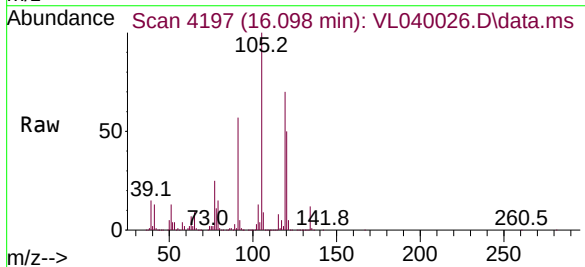
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Tgt Ion:105 Resp: 4234983  
 Ion Ratio Lower Upper  
 105 100  
 120 46.0 38.4 57.6

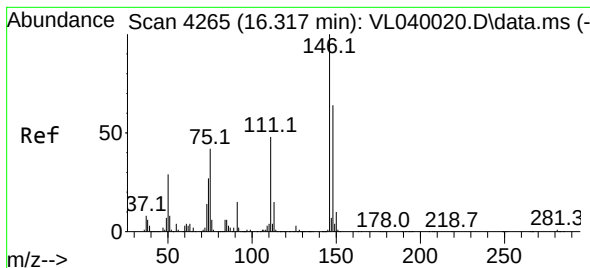


#74  
 1,2,4-Trimethylbenzene  
 Concen: 12.314 ppbv  
 RT: 16.098 min Scan# 4197  
 Delta R.T. 0.003 min  
 Lab File: VL040026.D  
 Acq: 19 Dec 2022 13:23

Tgt Ion:105 Resp: 4523002  
 Ion Ratio Lower Upper  
 105 100  
 120 49.7 39.3 58.9  
 91 56.8 44.2 66.4  
 77 24.4 18.8 28.2







#75

1,3-Dichlorobenzene

Concen: 12.620 ppbv

RT: 16.323 min Scan# 4265

Delta R.T. 0.006 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_1

ClientSampleId :

VSTDIC015

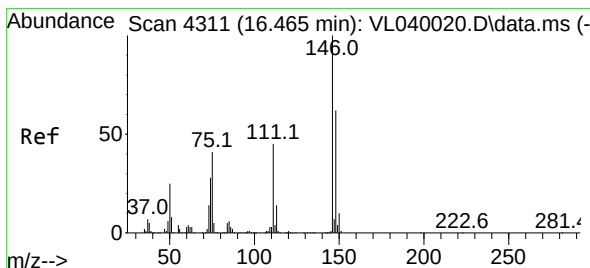
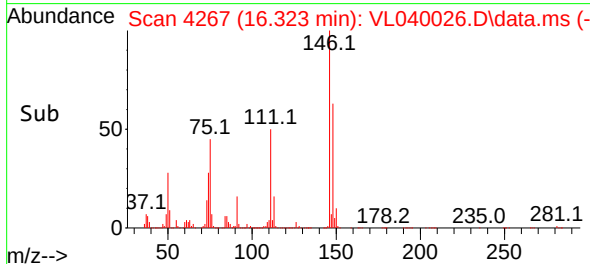
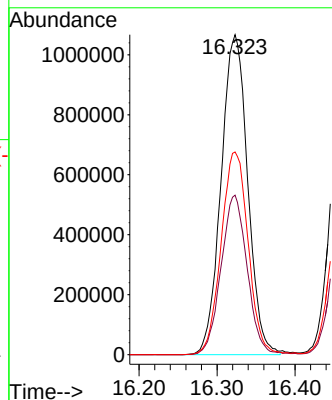
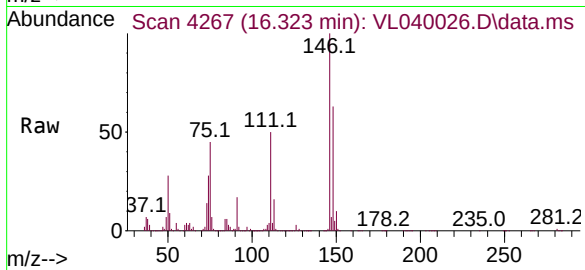
Tgt Ion:146 Resp: 2531101

Ion Ratio Lower Upper

146 100

111 49.0 23.9 71.8

148 64.5 32.0 96.2



#76

1,4-Dichlorobenzene

Concen: 12.705 ppbv

RT: 16.465 min Scan# 4311

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

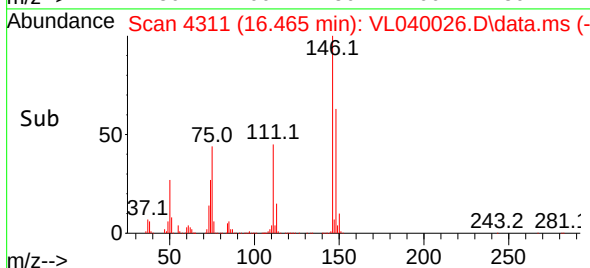
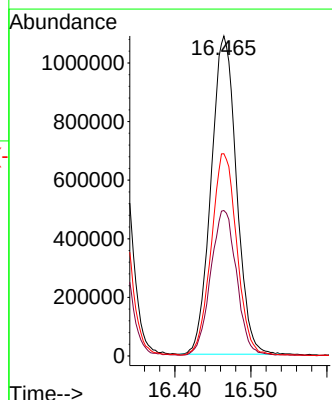
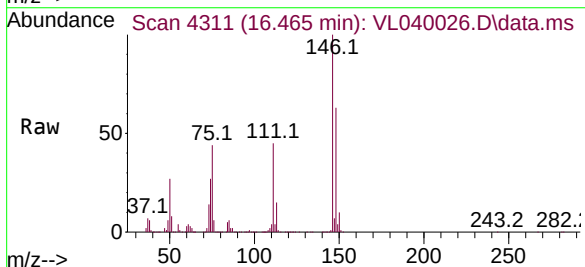
Tgt Ion:146 Resp: 2515468

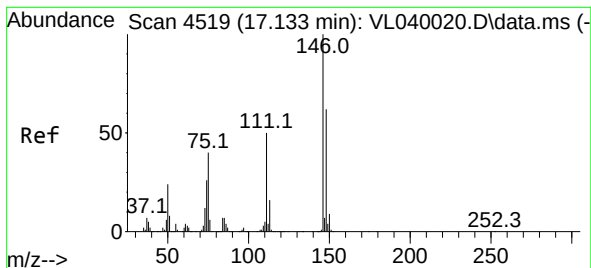
Ion Ratio Lower Upper

146 100

111 47.3 23.4 70.2

148 64.7 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 12.425 ppbv

RT: 17.133 min Scan# 4519

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

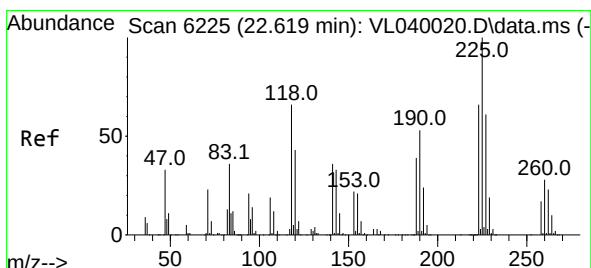
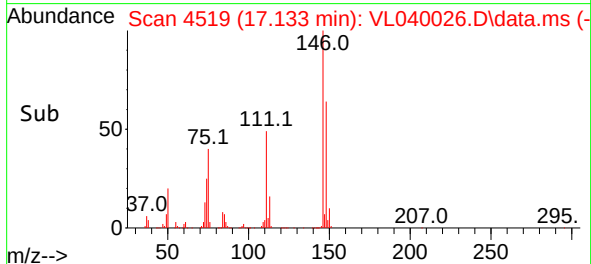
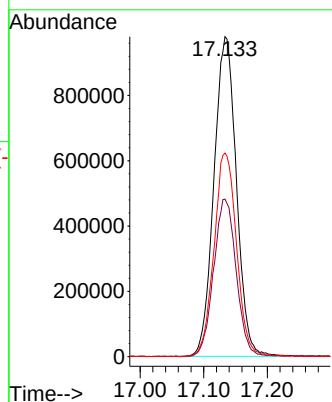
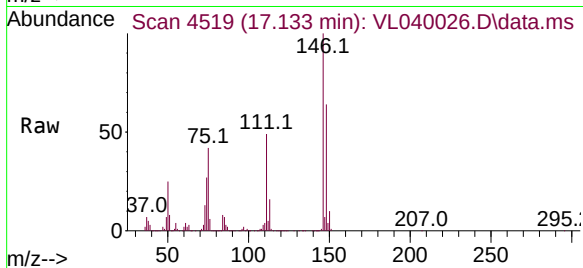
Tgt Ion:146 Resp: 2397006

Ion Ratio Lower Upper

146 100

111 49.7 25.3 75.9

148 64.2 31.9 95.9



#78

Hexachloro-1,3-Butadiene

Concen: 11.593 ppbv

RT: 22.622 min Scan# 6226

Delta R.T. 0.003 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

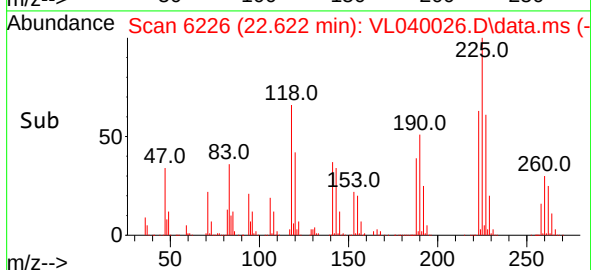
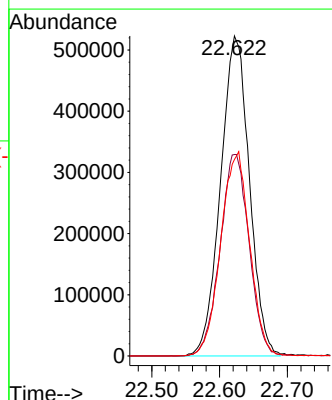
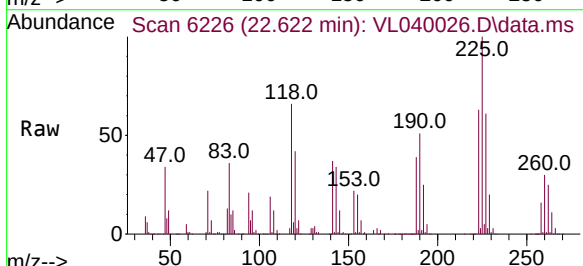
Tgt Ion:225 Resp: 1546274

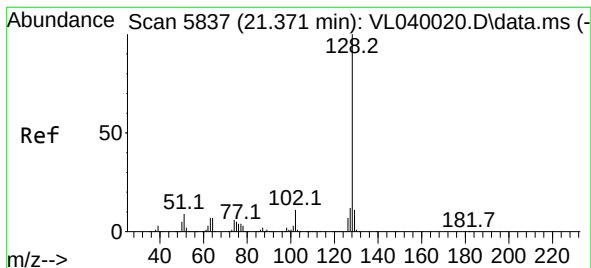
Ion Ratio Lower Upper

225 100

223 63.6 0.0 0.0#

227 64.2 0.0 0.0#





#79

Naphthalene

Concen: 15.226 ppbv

RT: 21.371 min Scan# 5837

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015

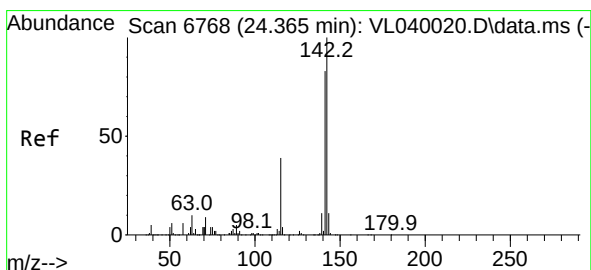
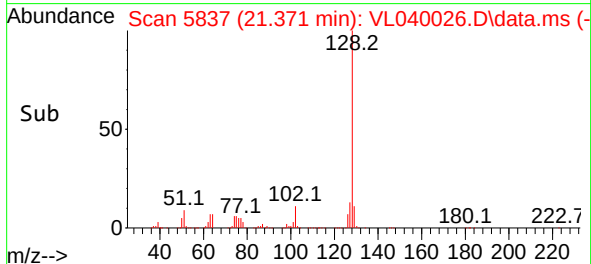
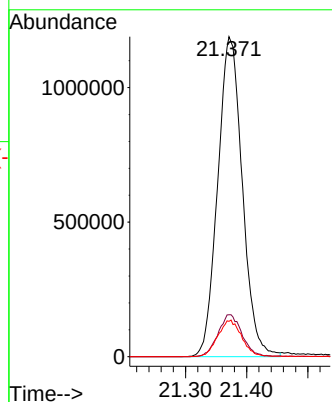
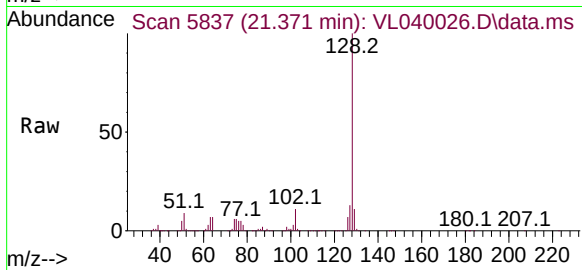
Tgt Ion:128 Resp: 3322059

Ion Ratio Lower Upper

128 100

127 13.1 10.0 15.0

129 11.0 8.8 13.2



#80

Naphthalene,2-methyl-

Concen: 16.608 ppbv

RT: 24.365 min Scan# 6768

Delta R.T. -0.000 min

Lab File: VL040026.D

Acq: 19 Dec 2022 13:23

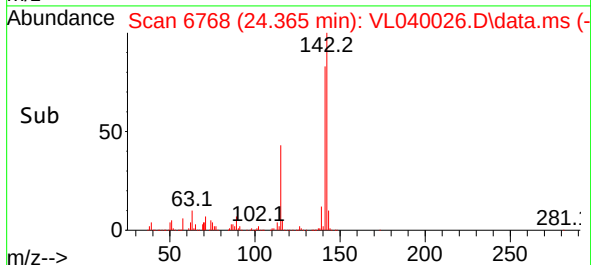
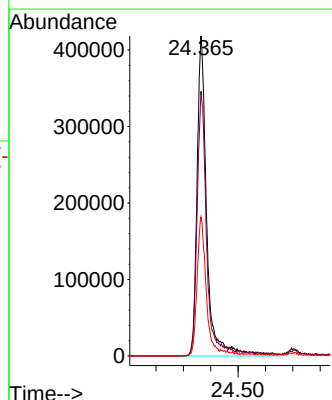
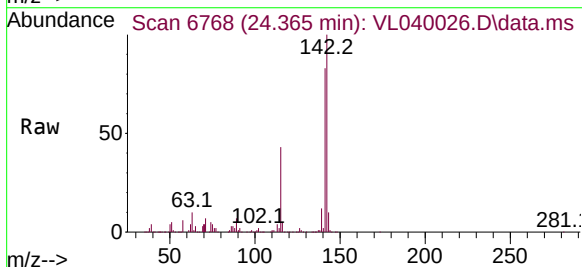
Tgt Ion:142 Resp: 1039819

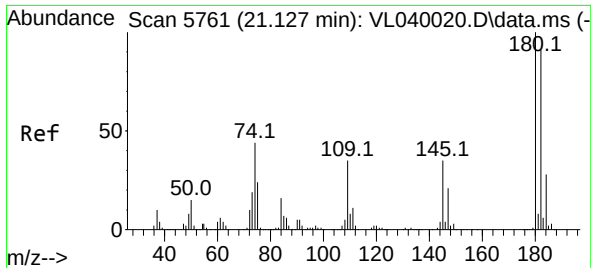
Ion Ratio Lower Upper

142 100

141 81.4 65.3 97.9

115 42.0 31.9 47.9





#81

1,2,4-Trichlorobenzene

Concen: 13.069 ppbv

RT: 21.127 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL040026.D

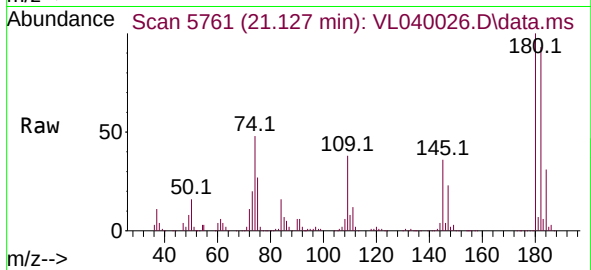
Acq: 19 Dec 2022 13:23

Instrument :

MSVOA\_L

ClientSampleId :

VSTDIC015



Tgt Ion:180 Resp: 1688749

Ion Ratio Lower Upper

180 100

182 96.0 76.6 115.0

184 31.0 24.9 37.3

